



OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

WASHINGTON, D.C. 20460

January 23, 2026

Frank E. Sobotka, PhD
Agent for Gharda Chemicals International, Inc.
IPM Resources LLC
4032 Crockers Lake Blvd.
Suite 818
Sarasota, FL 34238

Subject: Label Amendment - Registration Review Mitigation for Permethrin
Product Name: REALITY TERMITICIDE/INSECTICIDE
EPA Registration Number: 93182-13
Case Number: 476614
Application Dates: 1/25/2021

Dear Frank E. Sobotka:

The Agency, in accordance with the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, has completed reviewing all the information submitted with your application to support the Registration Review of the above referenced product in connection with the Permethrin Interim Decision, and has concluded that your submission is acceptable. The label referred to above, submitted in connection with registration under FIFRA, as amended, is acceptable.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide, Fungicide, and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance Assurance.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling and must be used at your next label printing. You must

submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 12 months from the date of this letter. After 12 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

If you have any questions about this letter, please contact Anna Senninger by phone at 202-566-2216, or via email at Senninger.Anna@epa.gov.

Sincerely,



Dana L. Friedman, Chief
Risk Management and Implementation Branch 1
Pesticide Re-Evaluation Division
Office of Pesticide Programs
U.S. Environmental Protection Agency

ENCLOSURE: Stamped label

Edit Date: 01/08/2026
Revised per Permethrin RR 10/26/2020

MASTER LABEL
EPA Reg. No: 93182-13

ACCEPTED

Jan 23, 2026

Under the Federal Insecticide, Fungicide
and Rodenticide Act as amended, for the
pesticide registered under
EPA Reg. No. 93182-13

[Primary Label Brand Name]

Reality®
Termiticide/Insecticide

For Commercial (Occupational) and Residential Use Only.

[List of Alternate Brand Names (Supplemental Labels)]

Reality® Professional Care
Termiticide/Insecticide

Reality® Lawncare
Insecticide

Reality® Pet Care
Insecticide

[Sub-Label A]

PERMETHRIN	GROUP	3A	INSECTICIDE
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Reality[®]

Termiticide/Insecticide

For Commercial (Occupational) and Residential Use Only

For control of subterranean termites: For use by individuals/ firms licensed or registered by the state to apply termiticide products. States may have more restrictive requirements regarding qualifications of persons using this product. Consult the pest control regulatory agency of your state prior to use of this product.

For use as an insecticide on ornamentals grown for aesthetic purpose, insect control on non-commercial turf and lawns, ornamental trees and shrubs around commercial, institutional, public, and industrial buildings, parks, recreational areas and athletic fields.

For pest control applications in non-food/feed areas of food handling establishments.

For both indoor and outdoor use.

Active Ingredient

Permethrin*	36.7%
Other Ingredients**	63.3%
TOTAL	100.0%

*cis/trans ratio: Max. 40% (±) cis and min. 60% (±) trans

** Contains petroleum distillates.

Contains 3.2 pounds permethrin per gallon as an emulsifiable concentrate (EC).

Shake Well Before Using

KEEP OUT OF REACH OF CHILDREN WARNING/AVISO

PRECAUCION AL USUARIO: Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

See inside booklet for complete Precautionary Statements, Directions for Use and Conditions of Sale and Warranty.

EPA Reg. No. 93182-13

EPA Est. No.: [\[tba\]](#)

P*

EPA Est. No.: [\[tba\]](#)

H

Net Contents: [fl.oz. (gal)(ml)(l)]

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PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

WARNING!

May be fatal if swallowed. Causes moderate eye irritation. Avoid Contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, and chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

FIRST AID	
IF SWALLOWED:	<ul style="list-style-type: none">• Immediately call poison control center or doctor.• DO NOT induce vomiting unless told to do so by a poison control center or doctor.• DO NOT give any liquid to the person.• DO NOT give anything by mouth to an unconscious person.
IF ON SKIN OR CLOTHING:	<ul style="list-style-type: none">• Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 – 20 minutes.• Call a poison control center or doctor for treatment advise.
IF IN EYES:	<ul style="list-style-type: none">• Hold eyes open and rinse slowly and gently with water for 15 – 20 minutes.• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.• Call a poison control center or doctor for treatment advise.
Have the product container or label with you when calling a poison control center or doctor or going for treatment. For emergency medical treatment information contact PROSAR 1-866-359-5660	
Note to Physician: Contains petroleum distillates. Vomiting may cause aspiration pneumonia. Consideration should be given to gastric lavage with an endotracheal tube in place. Treatment is controlled removal of exposure followed by symptomatic and supportive care.	

NOTICE: before using this product, read the entire Precautionary Statements, Conditions of Sale and Warranty, Directions for Use, Use Restrictions and Storage and Disposal instructions inside booklet. If the Conditions of Sale and Warranty are not acceptable, return the product unopened within thirty days of purchase to the place of purchase.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Chemical resistant gloves made of waterproof material.

All mixers, loaders, other applicators including applicators applying in non-ventilated spaces, and other handlers must wear: Long-sleeved shirt and long pants, shoes plus socks, chemical-resistant gloves and chemical-resistant apron when mixing, loading, or cleaning equipment or spills.

In addition to the above PPE, applicators applying in non-ventilated spaces must wear: a minimum of a NIOSH-approved particulate filtering facepiece respirator with any N, R or P filter; OR a NIOSH-approved elastomeric particulate respirator with any N, R or P filter; OR a NIOSH-approved powered air purifying respirator with HE filters.

It is recommended that you require the respirator wearer to be tested and trained in the use, maintenance, and limitations of the respirator.

User Safety Requirements: Follow manufacturer's instructions for cleaning/ maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product concentrate. **DO NOT** reuse them.

USER SAFETY RECOMMENDATIONS

Users should:

- Wash thoroughly with soap and water after handling. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- 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. Remove and wash contaminated clothing before reusing.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to birds, fish, and aquatic invertebrates. For terrestrial uses: **DO NOT** apply directly to water, or to areas where surface water is present or to intertidal areas below the mean water mark. Care must be taken to avoid runoff. **DO NOT** contaminate water by cleaning equipment or disposal of wastes. **DO NOT** contaminate water when disposing of equipment, wash water or rinsate. This product is highly toxic to bees exposed to direct treatment on blooming plants. **DO NOT** apply this product or allow it to drift to blooming crops or weeds while bees are foraging the treatment area.

Not for use in outdoor residential misting systems.

DIRECTIONS FOR USE

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

Shake Well Before Using

Product Information

The use of this product prevents and controls termite and listed insect infestations in and around commercial buildings and structures.

REALITY Termiticide/Insecticide is to be used by professional pest control operators in and on buildings and structures and their immediate surroundings and on modes of transport. Permitted areas of use are industrial, residential, and apartment buildings, laboratories, buses, greenhouse and the non-food/feed areas of stores, warehouses, vessels, railcars, trucks, trailers, schools, nursing homes, hospitals (non-patient areas), restaurants, hotels, and food manufacturing, process and servicing establishments.

Not for use on plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes. For use on plants intended for aesthetic purposes or climatic modification and being grown outdoor in plantscapes, ornamental gardens or parks, or lawns and grounds.

For advice concerning current control practices with relation to specific local conditions, consult your local State Cooperative Extension or regulatory agencies.

Tank-Mixes: **REALITY Termiticide/Insecticide** can be tank-mixed with Insect Growth Regulators (IGR's) or pyrethrin-containing products. When mixing **REALITY Termiticide/Insecticide** with other products, observe all precautions and limitations on the labels of each product.

GENERAL APPLICATION RESTRICTIONS

All outdoor applications must be limited to spot or crack-and-crevice treatments only, except for the following permitted uses:

1. Applications to pervious surfaces such as soil, lawn, turf, and other vegetation:
2. Perimeter band treatments of 7 feet wide or less from the base of a man-made structure to pervious surfaces (e.g. soil, mulch, lawn):
3. Applications to underside of eaves, soffits, doors, or windows permanently protected from rainfall by a covering, overhang, awning, or other structure.
4. Applications around potential pest entry points into man-made structures, such as doorways and windows, when limited to a band not to exceed one inch.
5. Applications to vertical surfaces (such as the side of a man-made structure) directly above impervious surfaces (e.g., driveways, sidewalks, etc.) up to 2 feet above ground level:
6. Applications to vertical surfaces directly above pervious surfaces, such as soil, lawn, turf, mulch or other vegetation (only if the pervious surface does not drain into ditches, storm drains, gutters or surface waters).

Other than applications to building foundations, all outdoor applications to impervious surfaces, such as sidewalks, driveways, patios, porches and structural surfaces (such as windows, doors, and eaves) are limited to spot and crack-and-crevice applications, only.

Spot treatments must not exceed two square feet in size (for example 2 ft. by 1 ft or 4 ft by 0.5 ft/)

For soil or foliar applications, **DO NOT** apply by ground within 25 feet of lakes, reservoirs, rivers, permanent streams, marshes or natural ponds, estuaries, and commercial fish farm ponds.

DO NOT apply the product into fish pools, ponds, streams or lakes. **DO NOT** apply directly to sewers or storm drains or to any area like a drain or gutter where drainage to sewers, storm drains, water bodies or aquatic habitat can occur.

DO NOT allow the product to enter any drain during or after application.

DO NOT apply directly to impervious horizontal surfaces such as sidewalks, driveways, and patios except as a spot or crack-and-crevice treatment.

DO NOT apply or irrigate to the point of runoff. Treat surfaces to ensure thorough coverage but avoid runoff. Under some conditions, it may also have potential for transport into surface water in runoff (primarily absorbed to suspended soil particles), for several months or more after application. To treat insects harbored in voids and cracks-and-crevices, applications must be made in such a manner to limit dripping and avoid runoff onto untreated structural surfaces and plants. These include poorly draining or wet soils when readily visible slopes toward adjacent surface waters, frequently flooded areas, and areas overlying extremely shallow ground water, areas with in-field canals or ditches that drain to surface water, areas not separated from adjacent surface waters with vegetated filter strips, and areas over-lying tile drainage systems that drain to surface waters.

DO NOT allow others to enter until vapors, mists, and aerosols have dispersed and the treated area has been thoroughly ventilated.

DO NOT apply this product that will contact workers or other persons either directly or through drift. Only protected handlers may be in the area during application.

DO NOT apply directly to sewers or drains, or to any area like a gutter where drainage to sewers, storm drains, water bodies, or aquatic habitat can occur, except as directed by this label.

DO NOT use in aircraft.

DO NOT water the treated area to the point of run-off.

DO NOT make applications during rain. Avoid making applications when rainfall is expected before the product has sufficient time to dry (minimum 4 hours).



Product Stewardship

Do not allow to enter indoor or outdoor drains. *No permita la entrada a desagües internos o externos.* Follow proper disposal procedures on this label. *Siga las indicaciones del etiquetado para el desecho apropiado del producto.*

Rainfall within 24 hours after application may cause unintended runoff of pesticide application.

[The above section requires the no-drain pictogram be placed on the label]

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 (WPS) for agricultural pesticides 40 CFR Part 170. The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses. **DO NOT** enter or allow others to enter treated areas until sprays have dried.

Non-crop weed control is not within the scope of the WPS.

Subterranean Termite Control

The dilute insecticidal emulsion must be adequately dispersed in the soil to establish a barrier between the wood and the termites in the soil. As a good practice: 1) all non-essential wood and cellulose containing materials must be removed from around foundation walls, crawl spaces and porches; 2) eliminate termite access to moisture by repairing faulty plumbing and/or construction grade. Soil around untreated structural wood in contact with soil must be treated as described below.

Choice of appropriate procedures must include consideration of such variable factors as the design of the structure, location of heating, ventilation, and air conditioning (HVAC) systems, water table, soil type, soil compaction, grade conditions, and location and type of domestic water supplies and utilities.

To establish an effective insecticidal barrier with this product the service technician must be familiar with current termite control practices such as trenching, rodding, sub-slab injection, coarse fan spraying of soil surfaces, crack and crevice (void) injection, excavated soil treatment, and brush or spray applications to infested or susceptible wood. These techniques must be correctly employed to prevent or control infestations by subterranean termites such as: *Coptotermes*, *Heterotermes*, *Reticulitermes* and *Zootermopsis*. The biology and behavior of the species involved should be considered by the service technician in determining which control practices to use to eliminate or prevent the termite infestation.

Permethrin, the active ingredient Termicide/Insecticide is extremely toxic to fish and aquatic invertebrates. Care should be used when making applications near bodies of water. Locate sources of water discharge from structures, such as French drains and sump systems. Turn off discharge pumps until after application is complete. Observe for any change in color or odor of effluent discharge. Consult state and local specifications for recommended distances of wells from treated areas, or if such regulations do not exist, refer to Federal Housing Administration Specifications (H.U.D.) for guidance.

Critical Areas: Critical areas include areas where the foundation is penetrated by utility services, cracks and expansion joints, bath traps and areas where cement constructions have been poured adjacent to the foundation, such as stairs, patios, and slab additions.

Structures with Wells/Cisterns Inside Foundations

Structures that contain wells or cisterns within the foundation of a structure can only be treated using the following techniques:

- **DO NOT** treat soil while it is beneath or within the foundation or along the exterior perimeter of a structure that contains a well or cistern. The treated backfill method must be used if soil is removed and treated outside/away from the foundation. The treated backfill technique is described as follows:
 - Trench and remove soil to be treated onto heavy plastic sheeting or similar material or into a wheelbarrow.
 - Treat the soil at the rate of 4 gallons of dilute emulsion per 10 linear feet per foot of depth of the trench, or 1 gallon per 1.0 cubic feet of soil (See Mixing Directions section of the label).
 - Mix thoroughly into the soil taking care to contain the liquid and prevent runoff and spillage.
 - After the treated soil has absorbed the diluted emulsion, replace the soil into the trench.
- Treat infested and/or damaged wood in place using an injection technique such as described in the Control of Wood Infesting Insects section of this label.

Structures with Adjacent Wells/Cisterns and/or other Water Bodies

Applicators must inspect all structures with nearby water sources such as wells, cisterns, surface ponds, streams, and other bodies of water and evaluate, at a minimum, the treatment recommendations listed below prior to making an application.

- (1) Prior to treatment, if feasible, expose the water pipe(s) coming from the well to the structure, if the pipe(s) enter the structure within 3 feet of grade.
- (2) Prior to treatment, applicators are advised to take precautions to limit the risk of applying the termiticide into subsurface drains that could empty into any bodies of water. These precautions include evaluating whether application of the termiticide to the top of the footer may result in contamination of the subsurface drain. Factors such as depth to the drain system and soil type and degree of compaction should be taken into account in determining the depth of treatment.

- (3) When appropriate (i.e., on the waterside of the structure), the treated backfill technique (described above) can also be used to minimize off-site movement of termiticide.

Prior to using this technique near wells or cisterns, consult state, local or federal agencies for information regarding approved treatment practices in your area.

Application Rate: Use a 0.5% emulsion for subterranean termites. For other pests on the label use specific listed rates.

Mixing Directions: Mix the Termiticide use dilution in the following manner: Fill Tank 1/4 to 1/3 full. Start pump to begin by-pass agitation and place end of treating tool in tank to allow circulation through hose. Add appropriate amount of **REALITY**

Termiticide/Insecticide. (See **Rate/Volume Conversion** Chart). Add remaining amount of water. Let pump run and allow circulation through the hose for 2 to 3 minutes.

REALITY Termiticide/Insecticide may also be mixed into full tanks of water but requires substantial agitation to ensure uniformity of the emulsion.

Mixing: For the desired application rate, use the chart below to determine the amount of **REALITY Termiticide/Insecticide** required for a given volume of finished emulsion.

REALITY Termiticide/Insecticide **Rate/Volume Conversion Chart**

Desired Gallons of Finished Emulsion	Emulsion Concentration (Amount of REALITY Termiticide/Insecticide + Water)		
	0.5%	1.0%	2.0%
1	1 2/3 fl. oz. + 126 1/3 fl. oz. water (7.9 pints)	3 1/3 fl. oz. + 124 2/3 fl. oz. water (7.8 pints)	6 2/3 fl. oz. + 121 1/3 fl. oz. water (7.6 pints)
5	8 1/3 fl. oz. + 4 gal, 119 2/3 fl. oz. water	16 2/3 fl. oz. + 4 gal, 111 1/3 fl. oz. water	33 1/3 fl. oz. + 4 gal, 94 2/3 fl. oz. water
10	16 2/3 fl. oz. + 9 gal, 111 1/3 fl. oz. water	33 1/3 fl. oz. + 9 gal, 94 2/3 fl. oz. water	66 2/3 fl. oz. + 9 gal, 61 2/3 fl. oz. water
19	0.25 gal + 18.75 gal water	0.5 gal + 18.5 gal water	1.0 gal + 18 gal water
38	0.50 gal + 37.5 gal	1.0 gal + 37 gal water	2.0 gal + 36 gal water

	water		
58	0.75 gal + 57.25 gal water	1.5 gal + 56.5 gal water	3.0 gal + 55 gal water
96	1.25 gal + 94.75 gal water	2.5 gal + 93.5 gal water	5.0 gal + 91 gal water
192	2.5 gal + 189.5 gal water	5.0 gal + 187 gal water	10.0 gal + 182 gal water

Common Units of Measure:

1 pint = 16 fluid ounces (oz.)

1 gallon = 4 quarts = 8 pints = 128 oz.

*For termite applications, only use these rates in conjunction with the application volume adjustments as listed in the section below or in the foam or underground service application sections.

Subterranean Termite Applications

Subterranean Termite Application Precautions:

- When treating termites adjacent to an existing structure, the applicator must check the area to be treated, and immediately adjacent areas of the structure, for visible and accessible cracks and holes to prevent any leaks or significant exposures to persons occupying the structure. People present or residing in the structure during application must be advised to remove their pets and themselves from the structure if they see any signs of leakage. After application, the applicator is required to check for leaks. All leaks resulting in the deposition of termiticide in locations other than those prescribed on this label must be cleaned up prior to leaving the application site.
- DO NOT** allow people or pets to contact contaminated areas or to reoccupy contaminated areas of the structure until the clean-up is completed.

Subterranean Termite Application Restrictions:

- DO NOT** treat soil that is water-saturated or frozen.
- DO NOT** treat when raining.
- DO NOT** allow treatment to runoff from the target area.
- DO NOT** make on-grade applications when sustained wind speeds are above 10 mph (at application site) at nozzle end height.

Pre-Construction Subterranean Termite Treatment

Application Directions

Effective pre-construction subterranean termite control is achieved by the establishment of vertical and/or horizontal insecticidal barriers using 0.5% emulsion of **REALITY**

Termiticide/Insecticide. To meet termite-proofing requirements, follow the procedures in the latest edition of the Housing and Urban Development Minimum Property Standards (refer to U.S.D.A. Home and Garden Bulletin No. 64).

Horizontal Barrier: Create a horizontal barrier wherever treated soil will be covered, such as footing trenches, slab floors, carports, and the soil beneath stairs and crawlspaces.

For a 0.5% rate, apply 1 gallon of dilution per 10 square feet, or use 1.6 fluid ounces of **REALITY Termiticide/Insecticide** per 10 square feet in sufficient water (no less than $\frac{1}{2}$ gallon or more than 2 gallons) to provide thorough and continuous coverage of the area being treated.

If the fill is washed gravel or other coarse material, it is important that a sufficient amount of dilution be used to reach the soil substrate beneath the coarse fill.

Applications shall be made by a low-pressure spray (less than 50 p.s.i.) using a coarse spray nozzle. If slab does not pour the same day as treatment, cover treated soil with a waterproof barrier such as polyethylene sheeting. This is not necessary if foundation walls have been installed around the treated soil.

Vertical Barrier: Vertical barriers must be established in areas such as around the base of foundations, plumbing, utility entrances, backfilled soil against foundation walls, and other critical areas.

For a 0.5% rate, apply 4 gallons of dilution per 10 linear feet per foot of depth or 1.6 fluid ounces of **REALITY Termiticide/Insecticide** per 10 linear feet of depth from grade to top of footing in sufficient water (no less than 2 gallons or more than 8 gallons) to ensure complete coverage.

- a. When trenching and rodding into the trench or trenching, it is important that emulsion reaches the top of the footing. Rod holes must be spaced to achieve a continuous insecticidal barrier, but in no case more than 12 inches apart.
- b. Care should be taken to avoid soil washout around footing.
- c. Trenches need not be wider than 6 inches. Emulsion should be mixed with the soil as it is being replaced in the trench.
- d. For a monolithic slab, an inside vertical barrier may not be required.

Hollow block voids may be treated at a rate of 2 gallons of emulsion per 10 linear feet so that the emulsion will reach the top of the footing.

Prior to each application, applicators must notify the general contractor, construction superintendent, or similar responsible party, of the intended Termiticide application and intended sites of application and instruct the person responsible to notify construction workers and other individuals to leave the area to be treated during application and until the Termiticide is absorbed into the soil.

When treating foundations deeper than 4 feet, apply the termiticide as the backfill is being replaced, or if the construction contractor fails to notify the applicator to permit this, treat the foundation to a minimum depth of 4 feet after the backfill has been installed. The applicator must either cover the soil him/herself or provide written notification of the above requirement to the contractor on site and to the person commissioning the application (if different than the contractor). If notice is provided to the contractor or the person commissioning the application, then they are responsible under FIFRA to ensure that: 1) if the concrete slab cannot be poured over the treated soil within 24 hours of application the treated soil is covered with a waterproof covering (such as polyethylene sheeting), and 2) the treated soil is covered if precipitation is predicted to occur before the concrete slab is scheduled to be poured.

The applicator must trench and rod into the trench or trench along the foundation walls and around pillars and other foundation elements, at the rate prescribed from grade to a minimum depth of 4 feet. When the top of the footing is exposed, the applicator must treat the soil adjacent to the footing to a depth not to exceed the bottom of the footing. However, in no case should a structure be treated below the footing.

Pre-construction Termiticide Application

Restrictions:

- The treatment site must be covered prior to rain event to prevent pesticide run-off into non-target areas. The applicator must either cover the soil him/herself or provide

written notification of the above requirement to the contractor on site and to the person commissioning the application (if different than the contractor). If notice is provided to the contractor or the person commissioning the application, then they are responsible under FIFRA to ensure that: 10 if the concrete slab cannot be poured over the treated soil within 24 hours of application the treated soil is covered if precipitation is predicted to occur before the concrete slab is scheduled to be poured,

- **DO NOT** apply at a lower dosage and/or concentration than specified on this label for applications prior to the installation of the finished grade.
- **DO NOT** treat soil that is water-saturated or frozen.
- **DO NOT** treat when raining.
- **DO NOT** allow treatment to runoff from the target area.
- **DO NOT** apply within 10 feet of storm drains. **DO NOT** apply within 25 feet of aquatic habitats (such as, but not limited to, lakes; reservoirs; rivers; permanent streams; marshes or ponds; estuaries; and commercial fish farm ponds).
- **DO NOT** make on-grade applications when sustained wind speeds are above 10 mph (at application site) at nozzle end height.

Post-Construction Subterranean Termite Application

To provide maximum control and protection against termite infestation apply the specified volume of the finished water emulsion. Use a 0.5% emulsion for post-construction treatment. Post-construction soil applications shall be made by injection, rodding, and/or trenching or coarse fan spray with pressures not exceeding 25 p.s.i. at the nozzle. Care should be taken to avoid soil washout around the footing. If soil will not accept the labeled application volume, the volume may be reduced provided there is a corresponding increase in concentration so that the amount of active ingredient applied to the soil remains the same.

Note: Large reductions of application volume reduce the ability to obtain a continuous barrier. Variance is allowed when volume and concentration are consistent with label directed rates and continuous barrier can still be achieved.

Where desirable for post construction treatments, the volume of the 1.0% emulsion may be reduced by $\frac{1}{2}$ the labeled volume or a 2.0% emulsion may be applied at $\frac{1}{4}$ the labeled volume (see Volume Adjustment Chart). Volume adjustments at 2.0% are not for sub slab injection. See **Volume Adjustment Chart** below. When volume is reduced, the hole spacing for sub slab injection and soil rodding may require similar adjustment to account for lower volume dispersal of the termiticide in the soil.

Volume Adjustment Chart Application Rate

Rate (% Emulsion)	0.5%	1.0%	2.0%*
Volume allowed HORIZONTAL (gallons of Emulsion per 10 sq. ft.)	1.0 (gallons)	0.5 (gallons)	0.25 (gallons)*
VERTICAL (gallons of Emulsion per 10 lin. ft.)	4.0 (gallons)	2.0 (gallons)	1.0 (gallons)*

*Not for subslab injection.

After Treatment: All holes in commonly occupied areas into which **REALITY Termiticide/Insecticide** has been applied must be plugged. Plugs must be of a non-cellulose material or covered by an impervious, non-cellulose material.

Restrictions:

- Application is prohibited directly into sewers, or drains, or to any area like a gutter where drainage to sewers, storm drains, water bodies, or aquatic habitat can occur.
- **DO NOT** allow the product to enter any drain during or after application.

Foundations: For applications made after the final grade is installed, the applicator must trench and rod into the trench or trench along the foundation walls and around pillars and other foundation elements, at the rate prescribed from grade to the top of the footing. When the footing is more than four (4) feet below grade, the applicator must trench and rod into the trench or trench along the foundation walls at the rate prescribed to a minimum depth of four feet. The actual depth of treatment will vary depending on soil type, degree of compaction, and location of termite activity. When the top of the footing is exposed, the applicator must treat the soil adjacent to the footing to a depth not to exceed the bottom of the footing. However, in no case should a structure be treated below the footing.

Slabs: Vertical barrier may be established by sub-slab injection within the structure and rodding and/or trenching outside using a treatment rate of 4 gallons of emulsion per 10 linear feet per foot of depth. Special care must be taken to distribute the treatment evenly. Treatment should not extend below the bottom of the footing.

Treat along the outside of the foundation and where necessary beneath the slab on the inside of the foundation walls. Treatment may also be required beneath the slab along both sides of interior footing-supported walls, one side of interior partitions and along all cracks and expansion joints. Horizontal barriers may be established where necessary by long-rodding or by grid pattern injection vertically through the slab.

- a. Drill holes in the slab and/or foundation to allow for the application of a continuous insecticidal barrier no more than 12 inches apart.
- b. For shallow foundations (1 foot or less) dig a narrow trench approximately 6 inches wide along the outside of the foundation walls. **DO NOT** dig below the bottom of the footing. The emulsion should be applied to the trench and soil at 4 gallons per 10 linear feet per foot of depth as the soil is replaced in the trench.
- c. For foundations deeper than 1 foot follow the rates for basements.
- d. Exposed soil in bath traps may be treated with a 0.5% emulsion.

Basements: Where the footing is greater than 1 foot in depth from grade to the bottom of the foundation, application must be made by trenching and rodding into this trench, or injecting at the rate of 4 gallons of emulsion per 10 linear feet per foot of depth. When the footing is more than 4 feet below grade, the applicator may trench and rod into the trench, or trench along foundation walls at the rate prescribed for 4 feet of depth. Rod holes must be spaced to achieve a continuous termiticide barrier, but in no case more than 12 inches apart. The actual depth of treatment will vary depending on soil type, degree of compaction, and location of termite activity. However, in no case should a structure be treated below the footing. Sub-slab injection may be necessary along the inside of foundation walls, along cracks and partition walls, around pipes, conduits, piers, and along both sides of interior footing-supported walls.

Accessible Crawl Spaces: For crawl spaces, apply vertical termiticide barriers at the rate of 4 gallons of emulsion per 10 linear feet per foot of depth from grade to the top of the footing, or if the footing is more than 4 feet below grade, to a minimum depth of 4 feet. Apply by trenching and rodding into the trench, or trenching. Treat both sides of

foundation and around all piers and pipes. Where physical obstructions, such as concrete walkways adjacent to foundation elements, prevent trenching, treatment may be made by rodding alone. When soil type and/or conditions make trenching prohibitive, rodding may be used. When the top of the footing is exposed, the applicator must treat the soil adjacent to the footing to a depth not to exceed the bottom of the footing. Read and follow the mixing and use direction section of the label if situations are encountered where the soil will not accept the full application volume.

- 1) Rod holes and trenches must not extend below the bottom of the footing.
- 2) Rod holes must be spaced to achieve a continuous chemical barrier but in no case more than 12 inches apart.
- 3) Trenches must be a minimum of 6 inches deep or to the bottom of the footing, whichever is less and need not be wider than 6 inches. When trenching in sloping (tiered) soil, the trench must be stepped to ensure adequate distribution and to prevent termiticide from running off. The emulsion must be mixed with the soil as it is replaced in the trench.
- 4) When treating crawl spaces, turn off the air circulation system of the structure until application has been completed and all termiticide has been absorbed by the soil.

Inaccessible Crawl Spaces: For inaccessible interior areas, such as areas where there is insufficient clearance between floor joists and ground surfaces to allow operator access, excavate, if possible, and treat according to the instructions for accessible crawl spaces. Otherwise, apply one, or a combination of the following two methods.

- 1) To establish a horizontal barrier, apply to the soil surface, 1 gallon of emulsion per 10 sq. ft. overall using a nozzle pressure of less than 25 p.s.i. and a coarse application nozzle (e.g., Delavan Type RD Raindrop, RD-7 or larger, or Spraying Systems Co. 8010LP TeeJet or comparable nozzle). For an area that cannot be reached with the application wand use one or more extension rods to make the application to the soil. **DO NOT** broadcast or power spray with higher pressures.
- 2) To establish a horizontal barrier, drill through the foundation wall or through the floor above and treat the soil perimeter at a rate of 1 gallon of emulsion per 10 square feet. Drill spacing must be at intervals not to exceed 16 inches. Many states have smaller intervals so check state regulations, which may apply.

When treating crawl spaces, turn off the air circulation system of the structure until application has been completed and all termiticide has been absorbed by the soil.

Masonry Voids: Drill and treat voids in multiple masonry elements of the structure extending from the structure to the soil to create a continuous treatment barrier in the area to be treated. Apply at the rate of 2 gallons of emulsion per 10 linear feet of footing using a nozzle pressure of less than 25 p.s.i. When using this treatment, access holes must be drilled below the sill plate and should be as close as possible to the footing as is practical. Care should be exercised not to drill entirely through and into the structure. Treatment of voids in block or rubble foundation walls must be closely examined. Applicators must inspect areas of possible runoff as a precaution against application leakage in the treated areas. Some areas may not be treatable or may require mechanical alteration prior to treatment.

All leaks resulting in the deposition of termiticide in locations other than those prescribed on this label must be cleaned up prior to leaving the application site.

Void Application Precautions:

- When treating behind veneers, care should be taken not to drill beyond the veneer. If concrete blocks are behind the veneer, both the blocks and the veneer may be drilled and treated at the same time.
- To treat insects harbored in voids and cracks-and-crevices, applications must be made in such a manner to limit dipping and avoid runoff onto untreated structural surfaces and plants.

Void Application Restrictions:

- Not for use in voids insulated with rigid foam.
- **DO NOT** allow people or pets to contact contaminated areas or to reoccupy the contaminated areas of the structure until the cleanup is completed.

Excavation Technique: If treatment must be made in difficult situations, such as near wells, cisterns, along fieldstone or rubble walls, along faulty foundation walls, or around pipes and utility lines which lead downward from the structure to a well or pond, application may be made in the following manner:

- a. Trench and remove soil to be treated onto heavy plastic sheeting or similar material.
- b. Treat the soil at the rate of 4 gallons of emulsion per 10 linear feet per foot of depth of the trench. Mix the emulsion thoroughly into the soil taking care to prevent liquid from running off the liner.
- c. After the treated soil has absorbed the liquid emulsion, replace the soil in the trench.

Foam Applications

REALITY Termitecide/Insecticide emulsion, from 0.5 to 2.0% may be converted to foam with expansion characteristics from 2 to 40 times.

Foam Applications: The emulsion may be converted to foam, and the foam used to control and prevent termite infestation.

Depending on the circumstances, foam application alone, or in combination with liquid emulsion applications. Applications may be made behind veneers, piers, chimney bases, into rubble foundations, into block voids or structural voids, under slabs, stoops, porches, or to the soil in crawlspaces, and other similar voids.

Foam and liquid application must be consistent with volume and active ingredient instructions to ensure proper application has been made. The volume and amount of active ingredients are essential to an effective treatment. At least 75% of the labeled liquid emulsion volume of product must be applied, with the remaining percent delivered to appropriate areas using foam application. Refer to label and use recommendations of the foam manufacturer and the foaming equipment manufacturer.

Foam applications are generally a good supplement to liquid treatments in difficult areas but may be used alone in difficult spots.

Note location of electrical sources prior to foaming voids to avoid possible shock hazard.

Application Under Slabs or to Soil in Crawlspaces to Prevent or Control Termites

Application may be made using **REALITY Termitecide/Insecticide** foam alone or in combination with liquid emulsion. The equivalent of at least 4 gallons (6.4 oz. of **REALITY Termitecide/Insecticide** concentrate) of 0.5% emulsion per 10 linear feet (vertical barrier), or at least 1 gallon (1.6 oz. of **REALITY Termitecide/Insecticide** concentrate) of 0.5% emulsion per 10 square feet (horizontal barrier) must be applied either as emulsion, foam, or a combination of both. For a foam only application, apply **REALITY Termitecide/Insecticide** concentrate in sufficient foam concentration and foam volume to deposit 6.4 oz. of concentrate per 10 linear feet or 1.6 oz. of concentrate per 10 square feet. For example, 1 gallon of 2% emulsion generated as foam to cover 10 linear feet is equal to the application of 4 gallons of 0.5% emulsion per 10 linear feet.

Sand Barrier Installation and Treatment

Termites can build mud tubes over treated surfaces as long as they have access to untreated soil and **DO NOT** have to move **REALITY Termitecide/Insecticide** treated soil. Fill in cracks and spaces with builder's or play box sand and treat the sand with **REALITY**

Termiticide/Insecticide. The sand should be treated as soil following the termiticide rates listed on the **REALITY Termiticide/Insecticide** label.

Retreatment for subterranean termites can only be performed if there is clear evidence of reinfestation or disruption of the barrier due to construction, excavation, or landscaping and/or evidence of the breakdown of the termiticide barrier in the soil. These vulnerable or reinfested areas may be retreated in accordance with application techniques described in this product's labeling. The timing and type of these retreatments will vary, depending on factors such as termite pressure, soil types, soil conditions and other factors, which may reduce the effectiveness of the barrier.

Annual retreatment of the structure is prohibited unless there is clear evidence that reinfestation or barrier disruption has occurred.

Application in Conjunction with the Use of Termite Baits

As part of the integrated pest management (IPM) program for termite control, **REALITY Termiticide/Insecticide** may be applied to critical areas of the structure including plumbing and utility entry sites, bath traps, expansion joints, foundation cracks and areas with known or suspected infestations at a rate of 0.5% as a spot treatment or complete barrier treatment. Applications may be made as described in the post-construction treatment section of this label.

Inside and Outside Applications to Buildings and Structures

REALITY Termiticide/Insecticide may also be applied using a 0.5% emulsion as a residual spray to inside and outside surfaces of building's exterior siding, foundations, porches, window frames, eaves, patios, garages, refuse dumps, lawn areas adjacent or around private homes, duplexes, townhouses, condominiums, house trailers, apartment complexes, carports, garages, fence lines, storage sheds, barns, residential structures, commercial and institutional buildings, soil, and trunks of woody ornamentals. **REALITY Termiticide/ Insecticide** may be applied as a broadcast, crack-and-crevice spray, or paint-on treatment (*Read and follow the Restrictions under GENERAL APPLICATION RESTRICTIONS in the DIRECTIONS FOR USE Section of this label.*

Application Restrictions:

- **DO NOT** apply by air.
- **DO NOT** apply within 25 feet of lakes, reservoirs, rivers, permanent streams, marshes or natural ponds, estuaries, and commercial fishponds.
- During indoor surface applications **DO NOT** allow dripping or run-off to occur.
- **DO NOT** apply this product to any rooms while occupied by patients, the elderly or infirm.
- **DO NOT** apply when occupants are present in the immediate area in institutions such as libraries, sport facilities, etc.
- **DO NOT** tank mix this product with dichlorvos (DDVP) containing products.
- **DO NOT** apply as a broadcast treatment to indoor surfaces at residential sites, including nurseries, day care centers, schools, hospitals, and nursing homes.
- **DO NOT** apply to classrooms when in use.
- **DO NOT** touch treated surface until dry.
- During any application to overhead areas of structure, cover surfaces below with plastic sheeting or similar material.
- **DO NOT** make applications during rain.
- **DO NOT** apply broadcast treatment to indoor surfaces at residential sites, including nurseries, day care centers, schools, hospitals and nursing homes.

Refer to additional Restrictions under GENERAL APPLICATION RESTRICTIONS in the DIRECTIONS FOR USE Section of this label..

Insect Pests Controlled by REALITY Termicide/Insecticide

Pest	
Ants Ant Mounds Armyworm Bark Beetles Bees Beetles Borers Boxelder Bugs Carpenter Ants Carpenter Bees Centipedes Chinch bugs Cockroaches Cockroaches (Asian) Crickets Earwigs Elm Leaf Beetles Fire Ants Fleas Flies Firebrats Ground Beetles	Gypsy Moths (adults & caterpillars) Millipedes Mole Crickets Pill Bugs Scorpions Silverfish Sod Webworm Sowbugs Spiders Ticks (including Deer Tick, Western Black-legged Tick known to transport Lyme disease and Rocky Mountain Spotted Fever) Wasps

Pests Under Slabs

Infestations of Arthropods, such as ants, cockroaches, scorpions and other listed nuisance pests inhabiting under paved areas may be controlled by drilling and injecting or horizontal rodding and then injecting 1 gallon of a 0.5% to 1.0% emulsion per 10 square feet or 2 gallons per 10 linear feet.

Pest Control in Crawlspace

Crawlspace are considered inside the structure. Broadcasts apply **REALITY Termicide/Insecticide** at 0.5% as a crack-and-crevice treatment to all surfaces in crawlspaces to control ants, fleas, roaches, scorpions, or other nuisance insects listed in this label. Products may also be applied through under structure insecticidal delivery systems such as piping or flexible tubing mounted under the structure. This treatment is not intended as a substitute for termite control.

Crawl Space Application Restrictions:

- For crawlspace applications, applicators must wear respirator protection per the PPE section previously listed in this label.
- **DO NOT** allow people or pets on treated surfaces, until the spray has dried.
- **DO NOT** apply as a broadcast treatment to indoor surfaces at residential sites, including nurseries, day care centers, schools, hospitals, and nursing homes.

Underground Services

Such as wires, cables, utility lines, pipes, conduits etc. Services may be within structures or located outside structures, in right-of-way or to protect long range (miles) of, installations of services.

Soil treatment may be made using 0.5% to 1.0% **REALITY Termiticide/Insecticide** emulsion to prevent attacks of termites and ants. Apply 2 to 4 gallons of a 0.5% emulsion per 10 linear feet to the bottom of the trench and allow them to soak into the soil. Lay services on the treated soil and cover with approximately 2 inches of fill soil. Apply another 2 to 4 gallons per 10 linear feet over the soil surface to complete the treatment barrier. In wide trenches, only treat the soil in the area near the services. It is important to establish a continuous barrier of treated soil surrounding the services.

Where soil will not accept the above-labeled volume, 1 to 2 gallons of 1% **REALITY Termiticide/Insecticide** may be used per 10 linear feet of trench both to the bottom of the trench and over the soil on top of the services.

Finish filling the trench with treated fill soil. The soil where each service protrudes from the ground may be treated by trenching/rodding of no more than 1 to 2 gallons of emulsion into the soil.

Underground Application Restrictions:

- **DO NOT** treat electrically active underground services.

Posts, Poles, and Other Constructions

Create an insecticidal barrier in the soil around wooden structures, such as signs, fences and landscape ornamentation by applying a 0.5% emulsion.

Application Instructions: Previously installed poles and posts may be treated by sub-surface injection. Treat on all sides to create a continuous insecticidal barrier around the pole. Use 1 gallon of a 0.5% emulsion per foot of depth for poles and posts less than six inches in diameter. For larger poles, use 1.5 gallons of emulsion per foot of depth. Apply to a depth of 6 inches below the bottom of the wood. For larger diameter constructions, use 4 gallons of emulsion per 10 linear feet per foot of depth.

Treatment of Wood-in-Place for Control of Wood-infesting Insects (Localized Areas in Structure)

For the control of insects, such as, termites, ants, carpenter ants, wood infesting beetles (Old House Borer, Powder Post), bees, wasps, hornets and yellow-jackets in posts, poles and other wood constructions in and around structures, paint on, spot spray, or fan spray a 0.5% emulsion to voids and galleries in damaged wood and in spaces between wooden members of a structure and between wood and foundation where wood is vulnerable. Plastic sheeting must be placed immediately below overhead areas that are spot treated except for soil surfaces in crawlspaces. Application may be made to inaccessible areas by drilling and then injecting emulsion with a crack and crevice injector into the damaged wood or void spaces. This type of application is not intended to be a substitute for soil treatment, mechanical alteration or fumigation to control extensive infestation of wood-infesting insects.

Treatment of Wood for the Control of Wood-infesting Insects and Nuisance Pests outside of Structure

Application Instructions: Broadcast apply a 0.5% emulsion with a fan spray using a maximum of 25 p.s.i. To control wood-infesting insects active inside trees, utility poles and/or fence posts, drill to find the interior infested cavity and inject a 0.5% emulsion. To control bees, wasps, hornets, and yellow jackets, apply in late evening when insects are at rest. Aim sprays at nest openings in ground, bushes and in cracks and crevices, which may harbor nests, saturating nest openings and contacting as many insects as possible.

Control of Bees and Wasps Indoors: To control bees, wasps, hornets, and yellow jackets apply a 0.5% emulsion. Application should be made in the late evening when insects are at rest. Spray liberally into hiding and breeding places, especially under attic rafters, contacting as many insects as possible. Repeat as necessary.

Termite carton nests in trees or building voids may be injected with 0.5% to 1.0% emulsion. Multiple injection points to varying depths may be necessary. It is desirable to physically remove carton nest material from building voids when such nests are found.

Nesting Insect Application Restrictions:

- **DO NOT** apply emulsion until location of heat pipes, ducts, water and sewer lines and electrical conduits are known and identified. Care must be taken to avoid puncturing and injecting into these structural elements.
- **DO NOT** apply into electrical fixtures, switches, or sockets.

Treatment of Preconstruction Lumber and Logs

Application Information: Prepare the spray, dilute **REALITY Termiticide/Insecticide** in accordance with the following spray dilution chart:

GALLONS OF SPRAY MIXTURE DESIRED	GALLONS OF REALITY TERMITICIDE/INSECTICIDE FOR 0.5% SOLUTION	GALLONS OF REALITY TERMITICIDE/INSECTICIDE FOR 0.75% SOLUTION	GALLONS OF REALITY TERMITICIDE/INSECTICIDE FOR 1.0% SOLUTION
40	1/2	3/4	1
80	1	1 1/2	2
200	2 1/2	3 3/4	5
400	5	7 1/2	10
800	10	15	20

Application Instructions: To protect unseasoned lumber and logs from wood destroying insects, such as Termites, Carpenter Ants and Beetles (Ambrosia, Powder-post, Old house borers and others), totally treat wood with a 0.5% to 1.0% solution of **REALITY Termiticide/Insecticide**. This solution can be applied by various methods including spraying, brushing, dipping, and pressure treatment. Frequent monitoring of dip and pressure systems is necessary to ensure that the desired level of **REALITY Termiticide/Insecticide** is maintained. Wood can be handled after treatment when dry.

1. For dip treatments, totally submerge the wood in the solution until thoroughly wet and then allow to dry in a suitable location. Agitate dipping solutions to which **REALITY Termiticide/Insecticide** has been added before use if left unused for long periods of time. Periodically clean sediment, debris and other deposits from the tank.
2. For pressure treatments wood must be placed in the treatment chamber, the **REALITY Termiticide/Insecticide** solution added and the system pressurized up to 250 psi for up to one hour depending on the density and type of wood treated. After the pressure is released and the system drained, the wood should be placed in a suitable location for drying.
3. For spray treatments, spray the wood thoroughly including back and ends. For brush-on treatments, thoroughly treat all parts of wood surfaces.

Application Restrictions:

- Firewood is not to be treated.

Application to Vinyl and Aluminum Siding

The application of **REALITY Termiticide/Insecticide** to vinyl and aluminum siding (particularly lightly colored, aged, weathered or otherwise damaged) may result in staining,

bleaching or discoloration. Factors such as extreme heat and direct sunlight can promote damage when using emulsifiable concentrates. Before applying **REALITY Termiticide/Insecticide** to vinyl or aluminum siding, treat a small area and evaluate 30 minutes later to allow any potential staining to occur. **PRECAUTION:** Regardless of the test results, **DO NOT** apply to vinyl or aluminum siding when exposed to direct sunlight or during the heat of the day.

Perimeter Treatment

Application Instructions: Apply a band application 6 to 7 feet wide around and adjacent to the structure. Also, treat the base of the structure up to a height of 2 feet. Also, treat the base of the structure to a height of 2 to 3 feet. Use a spray volume of 2 to 10 gallons of emulsion per 1000 square feet. Higher volumes of water may be needed if mulch or leaf litter is present or foliage is dense. House siding may be treated if pests such as Gypsy moth adults and caterpillars, box elder bugs, elm leaf beetles, earwigs or silverfish are present.

Commercial Turf, Lawncare and Landscape Applications

Not for use on turf being grown for sale or other commercial use as sod, or for commercial seed production, or for research purposes

REALITY Termiticide/Insecticide may be applied to control listed insect pests on lawns, trees, shrubs, and vines in landscape areas around residential, public, institutional, commercial and industrial buildings, parks, recreational areas including golf courses and athletic fields. For use on plants intended for aesthetic purposes or climatic modification grown in outdoor ornamental gardens or parks, and lawns and grounds around buildings or structures.

Application Instructions: Apply **REALITY Termiticide/Insecticide** when insects appear or feeding is noticed. Use the higher labeled rate for heavy pest populations. Repeat the application as necessary to maintain control. Apply **REALITY Termiticide /Insecticide** by ground equipment only. Use sufficient water to obtain full coverage.

Application Precautions:

REALITY Termiticide/Insecticide has demonstrated excellent plant safety; however, not all cultivars have been tested. Before treating large numbers of plants of a particular cultivar, treat a few plants and observe prior to full-scale application.

Drift Precautions:

All ground application equipment must be properly maintained and calibrated using appropriate carriers.

Application Restrictions:

- **DO NOT** apply more than 2.0 lb. a.i./Acre/Year for lawn or ornamental use.
- **DO NOT** water the treated area to the point of run-off.
- **DO NOT** make applications during rain.

Drift Restrictions:

- **DO NOT** make ground applications during temperature inversions.
- Make ground applications when the wind velocity favors on target product disposition (approximately 3 to 10 mph).
- **DO NOT** apply when the wind speed is greater than 15 mph.
permanent streams, marshes or natural ponds, estuaries, and commercial fish farm ponds.

Application Rates for Lawns and Turfgrass Pest Control

Plant	Pest	Treatment Rate	Specific Application Instructions/Restrictions
Lawns and Turfgrass Pest control around residential, commercial, industrial, institutional, and public areas, including golf courses, and athletic fields.	Ants Chinch bugs Pillbugs Fleas Mole Crickets Sod Webworm Ticks (including Deer Tick and Western Black-legged Tick which may carry Lyme disease and Rocky Mountain Spotted Fever) For additional pests controlled, consult the list of pests under Outside Surfaces and Around Buildings.	0.4 to 0.8 fl. oz. per 1,000 sq. ft.	Apply using 4 to 25 gallons of spray volume. Subsurface Injection: For flushing of Mole Crickets, subsurface injection may be used as a flush treatment in conjunction with an EPA-registered Mole Cricket control product. Inject 0.2 to 0.8 fluid ounce of REALTY Termiticide/Insecticide per 1,000 square feet. Observe precautions and restrictions on more restrictive label. DO NOT exceed label rates for these products. DO NOT mix products with label prohibitions against such mixing.

Application Rates for Ornamental Plants and Trees

Plant	Pest	Treatment Rate	Specific Application Instructions/Restrictions
Ornamental Plants, Foliage and flowering plants, evergreens, woody and herbaceous non-edible ornamentals and non-bearing plants of fruiting species in landscaped areas around	Ants Aphids Bagworm Beet Armyworm Birch Leafminer Cabbage Looper Cankerworms Citrus Thrips Coneworms** Fungus Gnat Gypsy Moth Caterpillars	4 to 8 fl. oz. per 100 gallons – or – broadcast 0.9 to 1.8 fl. oz. per 10,000 sq. ft.	Apply sufficient volume of water to adequately cover foliage. Use higher rate for moderate to high infestations. Direct application to blooms may cause browning of petals. Marginal leaf burn may occur on Salvia, Dieffenbachia and Pteris Fern.

industrial, residential and commercial buildings, and, for treatment of plants intended for aesthetic purposes in interior gardens and plantscapes.	<i>Heliothis</i> spp. Japanese Beetles Lace Bug Leaf Feeding Caterpillars Leafhoppers Leafminers Leafrollers Lygus Bugs Mealybugs Nantucket Pine Tip Moth* Pine Sawflies Plant Bugs Root Weevils (Adult) Seedbugs** Tent Caterpillars Webworms Whiteflies Zimmerman Pine Moth		<p>*For control of Nantucket Pine Tip Moth and in evergreens: Begin application when adults appear. Repeat applications may be made on 5 to 7-day intervals as needed. Mix 8 ounces in 100 gallons of water and apply 5 to 10 gallons of spray per tree.</p> <p>** Seedbug and coneworm applications directions:</p> <p>Ground: (low and high-volume applications): Use 8 – 16 fluid oz./treated acre 0.2 to 0.4 lb ai/acre). Apply in a minimum of 25 - 400 gallons of finish spray per acre depending on the type of sprayer being used. Apply once per season. Air: Use 24 fluid oz of product/treated acre (0.6 lb ai/treated acre). Apply with a minimum of 5 gallons of finished spray per acre. Apply once per season.</p>
Ornamental Trees, including Treatment of Conifer Seed Cones.**	Clearwing Moth Borers, Ash Borer, Banded Ash Clearwing, Dogwood Borer, Lesser Peachtree Borer, Lilac Borer, Oak Borer, Peachtree Borer, Rhododendron Borer	1 to 2 qt. per 100 gallons	<p>Apply to the lower branches and trunks prior to adult emergence.</p> <p>Adult emergence varies according to pest species, host tree, environmental conditions and geographic location.</p> <p>Through coverage of bark is required for control.</p> <p>PROHIBITION – Harvesting of conifer seed cones is prohibited within 30 days of application.</p>
	Bark Beetles <i>Dendroctonus</i> spp., <i>Ils</i> spp., Elm Bark Beetles, Mountain Pine Beetle, Pine Engravers, Turpentine Beetles, Western Pine Beetle	2 to 5 qt. per 100 gallons	
	Coleopteran	2 to 5 qt. per	

	Borers Bronze Birch Borer, Flatheaded Apple-tree Borer	100 gallons	
	For maximum residual control of the above listed pests.	5.35 qt. per 100 gallons	

Pest Control Indoors (Non-Food/Feed Areas)

REALITY Termiticide/Insecticide can be applied inside residential homes and to non-food/feed areas of commercial establishments including garbage rooms, lavatories, floor drains (to sewers), entries and vestibules, offices, locker rooms, machine rooms, garages, mop closets, packaged goods storage areas and storage (after canning and bottling). Additionally, **REALITY Termiticide/Insecticide** can be applied to non-food/feed areas of Food Handling Establishments. Treat all areas where listed insects hide, or through which listed insects may enter.

Applications Information: Use **REALITY Termiticide/Insecticide** to control pests listed in the following table by application of a 0.5% emulsion.

Indoor Application Restrictions:

- **DO NOT** apply when food is present.
- **DO NOT** use in Food/feed areas of Food/feed handling Establishments, restaurants or other areas where food/feed is commercially prepared or processed. **DO NOT** use in serving areas while food is exposed, or facility is in operation. Serving areas are areas where prepared foods are served such as dining rooms but excluding areas where foods may be prepared or held. In the home, all food processing surfaces and utensils must be covered during treatment or thoroughly washed before use. Exposed food must be covered or removed. Not for use in USDA Meat and Poultry Plants.
- Thoroughly wash dishes and food handling utensils with soap and water if they become contaminated by application of this product.
- **DO NOT APPLY TO OR ALLOW PRODUCT TO COME IN CONTACT WITH CATS.**

Common Indoor Insect Pests Controlled by **REALITY Termiticide/Insecticide**

Pest	Application Instructions
Fleas	<p>Prior to treatment, carpets and furniture should be vacuumed thoroughly and vacuum cleaner bag discarded in an outdoor trash container. Spot apply a spray emulsion at a rate of 1 gallon per 800 to 1600 square feet to infested areas such as crawlspaces, rugs, carpets, pet beds and other pet resting areas.</p> <p>For crawlspace applications, applicators must wear respirator protection per the PPE section previously listed in this label. When treating upholstered furniture take care to treat between and under cushions. Pay particular attention to areas which are frequented by pets. Replace old pet bedding with clean, fresh bedding after treatment. To control the source of flea infestations, treat pets inhabiting the treated premises with a flea-control product registered for application to animals.</p>

Ants (including Carpenter Ants, Fire Ants)	Apply to cracks and crevices, as a pin stream, as a fine/coarse, low-pressure spray (20 psi or less), spot application or with a paintbrush. Treat where pests are found or normally occur, such as cracks and crevices in walls, in and around kitchen cabinets and drawers**, along baseboards, behind sinks and around plumbing and other utility installations. Ant infested wood may be drilled and injected with REALITY Termiticide/Insecticide .
Bat Bugs	
Bed Bugs	
Bees	
Box elder Bugs	
Brown Dog Ticks	
Carpenter Bees	
Carpet Beetles	
Centipedes	
Cockroaches, (including Asian)	
Crickets	
Earwigs	
Firebrats	
Flies (such as Drain, Cluster, House)	For the control of carpet beetles, spot apply the spray to rugs, carpets, along baseboards and edges of carpeting, under carpeting, rugs and furniture, in closets, on shelving, and wherever else these insects are seen or suspected. DO NOT wet or soak.
Ground Beetles	
Leaf Beetles	
Millipedes	
Pantry Pests** (Such as: Flour Beetles, Indian Meal Moths, Larder Beetles)	For the control of Brown Dog Ticks, spot apply the spray to infested areas, such as pet beds and resting quarters, nearby cracks and crevices, along baseboards, windows and doorframes, and areas of floor and floor coverings where these pests may be present. Avoid wetting or soaking. Remove old bedding and replace it with clean, fresh bedding after treatment.
Pillbugs	
Scorpions	
Silverfish	
Sow bugs	
Spiders	
Ticks (including Deer Tick and Western Black-Legged Tick known to transport Lyme disease and Rocky Mountain Spotted Fever)	
Wasps	

Domestic Animals (Dogs Only)

Use Restrictions

- Application of product on pets must only be done indoors.
- **DO NOT** apply this product (except when applying to dogs) that will contact adults, children, or other pets, either directly or through drift.

Pet Product Labels and Packaging must include the following:

	DO NOT USE ON CATS
<i>May be toxic or potentially fatal if applied to or ingested by cats. Accidental application to cats and/or grooming a recently treated dog may result in tremors and/or uncoordinated Muscle Movements.</i>	

Pet Applications: Consult a veterinarian before using this product on medicated, debilitated, aged, pregnant or nursing animals. Sensitivities may occur after using any pesticide product on pets. If signs of sensitivity occur, bathe your pet with mild soap and rinse with large amounts of water. If signs continue, consult a veterinarian immediately. Repeat applications every 2 weeks, if necessary. **Pet Groomers:** No entry restrictions are required. See below under **Use Restrictions**. No drain disposal restrictions prohibit the use of this product when used on pets (Refer to Product Stewardship under the DIRECTIONS FOR USE Section of this label).

Use Precautions:

- May be toxic or potentially fatal if applied to or ingested by cats. Accidental application to cats may result in tremors and/or uncoordinated muscle movements.
- Grooming a recently treated dog may result in tremors and/or uncoordinated Muscle Movements.
- Avoid animal contact with face, eyes, and genitalia.

Use Restrictions:

- Except when applying directly to pets, **DO NOT** enter or allow others to enter until vapors, mists, and aerosols have dispersed, and the treated area has been thoroughly ventilated.
- **DO NOT** use on dogs under twelve (12) weeks old.
- **DO NOT** use on Cats.

No entry restrictions are required. See below ("Use Restrictions" for further requirements

Animals	Pest	Dilute & Use	Application Rate
Dogs Only (DO NOT use on cats)	Fleas Ticks	1/4 fl. oz. to 1 pt. water, 0.6257% Al.	<u>Low Pressure Spray:</u> 1 to 2 fluid ounces (2 to 4 Tablespoons) * spray per animal. Spot treat back, face, legs, tail and ears. <u>Sponge Wash:</u> This product must not be applied by sponge application.
		4 fl. oz. to 20 gallons water, 0.0625% Al.	<u>Dip Wash:</u> Make sure all areas are soaked to skin. Let drip dry on animal. DO NOT rinse off.

* 1 US fl. oz. = 2 US tablespoons (Calibrate a hand spray applicator using a disposable Tablespoon to determine the number of sprays per fl ounce. **DO NOT** reuse Tablespoon for any other use. Triple rinse and discard in a sanitary landfill.)

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited.

PESTICIDE STORAGE: Store product in original container only. **DO NOT** contaminate water, other pesticides, fertilizer, food or feed in storage. Store in a well-ventilated area.

PESTICIDE DISPOSAL: **DO NOT** pour or dispose down-the-drain or sewer.

Pesticide spray mixture or rinsate that cannot be used or chemically reprocessed should be disposed of in a landfill approved for pesticides. Improper disposal of excess pesticide spray mixture or rinsate is a violation of Federal law. If this waste cannot be disposed of by the use according to label instructions, call your local solid waste Agency for local disposal options

CONTAINER HANDLING:

(Nonrefillable container 5 gallons or less): , **DO NOT** reuse this container to hold materials other than pesticides or dilute pesticides (rinsate). After emptying and cleaning, it may be allowable to temporarily hold rinsate or other pesticide-related materials in the container. If not, triple rinse emptied container and offer for recycling, if available, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities, such as burning of plastic containers. If burned, stay out of smoke.

Triple rinse or pressure rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container $\frac{1}{4}$ full of 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. Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

(Refillable containers up to 250 gallons): Refill this container with pesticide only, **DO NOT** reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning the container before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container with about 10 percent full of water. Agitate vigorously or recirculate water with pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Offer for recycling, if available, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities, such as burning of plastic containers. If burned, stay out of smoke.

FOR CHEMICAL EMERGENCY: Spill, leak, fire, exposure, or accident, call CHEMTRAC: 1-800-424-9300

**IMPORTANT INFORMATION
READ BEFORE USING PRODUCT**

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

Seller warrants that at the time of delivery the product in this container conform to its chemical description contained hereon and is reasonably fit for its intended purpose under normal conditions of use. This is the only warranty made on this product. Seller expressly disclaims any implied warranties of merchantability or fitness for any particular purpose and, except as set forth above, any other express or implied warranties. Any damage arising from breach of warranty or negligence shall be limited to direct damages not exceeding the purchase price paid for this product by Buyer, and shall not include incidental or consequential damages such as, but not limited to, loss of profits or values. It is impossible to eliminate all risks inherently associated with the use of this product. Plant injury, ineffectiveness, or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of the Seller. To the fullest extent permitted by law, Seller shall not be liable for the consequential, special or indirect damage resulting from the use or handling of this product. All such risks shall be assumed by the Buyer. Buyers acknowledge the use of their own independent skills and expertise in the selection and use of the product and does not rely on any oral or written statements or representations.

Revised: 09/01/2017 (Reregistration/Reg. No. Transfer)

EPA Registered: 03/16/2018 (Amended Label)

EPA Accepted: [tba] (Reg. Review)

[Sub-Label B]

PERMETHRIN	GROUP	3A	INSECTICIDE
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[Insert Alternate Brand Name]

For Residential Outdoor Use Only

For use as an insecticide on lawns and ornamental plants, and for perimeter insect control for outside pest control around residential buildings and structures.

Active Ingredient

Permethrin*	.....	36.7%
Other Ingredients**	.....	<u>63.3%</u>
TOTAL	.....	100.0%

*cis/trans ratio: Max. 40% (±) cis and min. 60% (±) trans

** Contains petroleum distillates.

Contains 3.2 pounds permethrin per gallon as an emulsifiable concentrate (EC).

Shake Well Before Using

KEEP OUT OF REACH OF CHILDREN WARNING/AVISO

PRECAUCION AL USUARIO: Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

See inside booklet for complete Precautionary Statements, Directions for Use and Conditions of Sale and Warranty.

EPA Reg. No. 93182-13

EPA Est. No.: [\[tba\]](#)

P

EPA Est. No.: [\[tba\]](#)

H

Net Contents: [fl.oz (gal)(ml)(l)]

Distributed by: tba

-or -

Manufactured for: tba

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PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

WARNING!

May be fatal if swallowed. Causes moderate eye irritation. 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 reusing.

FIRST AID	
IF SWALLOWED:	<ul style="list-style-type: none">Immediately call poison control center or doctor.DO NOT induce vomiting unless told to do so by a poison control center or doctor.DO NOT give any liquid to the person.DO NOT give anything by mouth to an unconscious person.
IF ON SKIN OR CLOTHING:	<ul style="list-style-type: none">Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 – 20 minutes.Call a poison control center or doctor for treatment advise.
IF IN EYES:	<ul style="list-style-type: none">Hold eyes open and rinse slowly and gently with water for 15 – 20 minutes.Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.Call a poison control center or doctor for treatment advise.
<p>Have the product container or label with you when calling a poison control center or doctor or going for treatment. For emergency medical treatment information contact PROSAR 1-866-359-5660</p>	
<p>Note to Physician: Contains petroleum distillates. Vomiting may cause aspiration pneumonia. Consideration should be given to gastric lavage with an endotracheal tube in place. Treatment is controlled removal of exposure followed by symptomatic and supportive care.</p>	

NOTICE: before using this product, read the entire Precautionary Statements, Conditions of Sale and Warranty, Directions for Use, Use Restrictions and Storage and Disposal instructions inside booklet. If the Conditions of Sale and Warranty are not acceptable, return the product unopened within thirty days of purchase to the place of purchase.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Chemical resistant gloves made of waterproof material.

Applicators must wear: Long-sleeved shirts and long pants, shoes plus socks and chemical-resistant gloves.

All mixers, loaders and other handlers must wear: Long-sleeved shirts and long pants, shoes plus socks, chemical-resistant gloves and chemical-resistant apron when mixing, loading, or cleaning equipment or spills.

In addition to the above PPE, applicators applying in non-ventilated spaces must wear: a minimum of a NIOSH-approved particulate filtering facepiece respirator with any N, R or P filter; OR a NIOSH-approved elastomeric particulate respirator with any N, R or P filter; OR a NIOSH-approved powered air purifying respirator with HE filters. It is recommended that you

require the respirator wearer to be tested and trained in the use, maintenance, and limitations of the respirator.

User Safety Requirements: Follow manufacturer's instructions for cleaning/ maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product concentrate. **DO NOT** reuse them.

Environmental Hazards

This pesticide is toxic to birds, fish, and aquatic invertebrates. For terrestrial uses: **DO NOT** apply directly to water, or to areas where surface water is present or to intertidal areas below the mean water mark. Care must be taken to avoid runoff. **DO NOT** contaminate water by cleaning equipment or disposal of wastes. **DO NOT** contaminate water when disposing of equipment, wash water or rinsate. This product is highly toxic to bees exposed to direct treatment on blooming plants. **DO NOT** apply this product or allow it to drift to blooming crops or weeds while bees are foraging the treatment area.

DIRECTIONS FOR USE

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

Shake Well Before Using

Product Stewardship



Product Stewardship

Do not allow to enter indoor or outdoor drains. *No permita la entrada a desagües internos o externos.* Follow proper disposal procedures on this label. *Siga las indicaciones del etiquetado para el desecho apropiado del producto.*

[The above section requires the no-drain pictogram be placed on the label]

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 (WPS) for agricultural pesticides 40 CFR Part 170. The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries or greenhouses. **DO NOT** enter or allow others to enter treated areas until sprays have dried.

Non-crop weed control is not within the scope of the WPS.

General Application Restrictions

Not for use on plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes. For use on plants intended for aesthetic purposes or in ornamental gardens, parks, or lawns and grounds.

All outdoor spray applications must be limited to spot or crack-and-crevice treatments only, except for the following permitted uses:

1. Application to pervious surfaces such as soil, lawn, turf, and other vegetation;
2. Perimeter band treatments of 7 feet wide or less from the base of a man-made structure to pervious surfaces (e.g., soil, mulch, or lawn);
3. Applications to underside of eaves, soffits, doors, or windows permanently protected from rainfall by a covering, overhang, awning, or other structure;
4. Applications around potential exterior pest entry points into man-made structures such as doorways and windows, when limited to a band not to exceed one inch;
5. Applications to vertical surfaces (such as the side of a man-made structure) directly above impervious surfaces (e.g., driveways, sidewalks, etc.), up to 2 feet above ground level;
6. Applications to vertical surfaces directly above pervious surfaces, such as soil, lawn, turf, mulch or other vegetation) only if the pervious surface does not drain into ditches, storm drains, gutters, or surface waters.
7. Spot treatments must not exceed two square feet in size (for example, 2 ft. by 1 ft. or 4 ft. by 0.5 ft.).
8. Avoid making applications when rainfall is expected before the product has sufficient time to dry (minimum 4 hours). Rainfall within 24 hours after application may cause unintended runoff of pesticide application.

Other than applications to building foundations, all outdoor applications to impervious surfaces, such as sidewalks, driveways, patios, porches and structural surfaces (such as windows, doors and eaves) are limited to spot and crack-and-crevice applications, only.

- **DO NOT** allow people or pets to be treated on surfaces until the spray has dried.
- **DO NOT** water the treated area to the point of run-off
- **DO NOT** make applications during rain.
- Not for use Indoors.
- Not for use in outdoor residential misting systems.

Water Protection Statements

- **DO NOT** apply the product into fish pools, ponds, streams, or lakes. Do not apply directly to sewers or storm drains, or to any area like a drain or gutter where drainage to sewers, storm drains, water bodies, or aquatic habitat can occur.”
- **DO NOT** allow the product to enter any drain during or after application.
- **DO NOT** apply directly to impervious horizontal surfaces such as sidewalks, driveways, and patios except as a spot or crack-and-crevice treatment.
- **DO NOT** apply or irrigate to the point of runoff.

Crack-and-Crevice Treatment

- Treat surfaces to ensure thorough coverage but avoid runoff.
- To treat insects harbored in voids and cracks-and-crevices, applications must be made in such a manner to limit dripping and avoid runoff onto untreated structural surfaces and plants.

Pests Controlled

Insect Pests Controlled by REALITY Termiticide/Insecticide

Pest	
Ants Ant Mounds Armyworm Bark Beetles Bees Beetles Borers Boxelder Bugs Carpenter Ants Carpenter Bees Centipedes Chinchbugs Cockroaches Cockroaches (Asian) Crickets Earwigs Elm Leaf Beetles Fire Ants Fleas Flies Firebrats Ground Beetles	Gypsy Moths (adults & caterpillars) Millipedes Mole Crickets Pill Bugs Scorpions Silverfish Sod Webworm Sowbugs Spiders Ticks (including Deer Tick, Western Black-legged Tick known to transport Lyme disease and Rocky Mountain Spotted Fever) Wasps

Mixing Directions: Mix the volume of spray emulsion in the following manner: Fill Tank 1/4 to 1/3 full. Start pump if required to begin pass agitation and place end of treating tool in tank to allow circulation through hose. Add appropriate amount of **REALITY Termiticide/Insecticide**. (See Rate/Volume Conversion Chart). Add remaining amount of water. Let pump run and allow circulation through the hose for 2 to 3 minutes.

REALITY Termiticide/Insecticide may also be mixed into full tanks of water but requires substantial agitation to ensure uniformity of the emulsion.

Mixing: For the desired application rate, use the chart below to determine the amount of **REALITY Termiticide/Insecticide** required for a given volume of finished emulsion.

REALITY Termiticide/Insecticide Rate/Volume Conversion Chart

Desired Gallons of Finished Emulsion	Emulsion Concentration (Amount of REALITY Termiticide/Insecticide + Water)		
	0.5%	1.0%	2.0%
1	1 2/3 fl. oz. + 126 1/3 fl. oz. water (7.9 pints)	3 1/3 fl. oz. + 124 2/3 fl. oz. water (7.8 pints)	6 2/3 fl. oz. + 121 1/3 fl. oz. water (7.6 pints)
5	8 1/3 fl. oz. + 4 gal, 119 2/3 fl. oz. water	16 2/3 fl. oz. + 4 gal, 111 1/3 fl. oz. water	33 1/3 fl. oz. + 4 gal, 94 2/3 fl. oz. water
10	16 2/3 fl. oz. + 9 gal, 111 1/3 fl. oz. water	33 1/3 fl. oz. + 9 gal, 94 2/3 fl. oz. water	66 2/3 fl. oz. + 9 gal, 61 2/3 fl. oz. water

19	0.25 gal + 18.75 gal water	0.5 gal + 18.5 gal water	1.0 gal + 18 gal water
38	0.50 gal + 37.5 gal water	1.0 gal + 37 gal water	2.0 gal + 36 gal water
58	0.75 gal + 57.25 gal water	1.5 gal + 56.5 gal water	3.0 gal + 55 gal water
96	1.25 gal + 94.75 gal water	2.5 gal + 93.5 gal water	5.0 gal + 91 gal water
192	2.5 gal + 189.5 gal water	5.0 gal + 187 gal water	10.0 gal + 182 gal water

Common Units of Measure:

1 pint = 16 fluid ounces (oz.)

1 gallon = 4 quarts = 8 pints = 128 oz.

Treatment of Soil and Vegetation Around Structures

REALITY Termiticide/Insecticide may be applied using a 0.5% emulsion as a residual spray to outside surfaces of buildings, including, but not limited to, exterior siding, foundations (up to 2 feet in height), porches, window frames, eaves, patios, garages, refuse dumps, lawn areas adjacent or around private homes, duplexes, townhouses, condominiums, house trailers, apartment complexes, carports, garages, fence lines, storage sheds, barns, outside residential structures, commercial and institutional buildings, soil, and trunks of woody ornamentals near buildings. **REALITY Termiticide/Insecticide** may be applied as broadcast, spot or crack-and-crevice spray.

Use Restrictions:

- **DO NOT** apply by air.
- **DO NOT** apply within 25 feet of lakes, reservoirs, rivers, permanent streams, marshes or natural ponds, estuaries, and commercial fishponds.
- **DO NOT** allow dripping or run-off to occur.
- **DO NOT** apply when occupants are present in the immediate area in institutions, such as, libraries, sport facilities, etc.
- **DO NOT** touch treated surface until dry.
- During any application to overhead areas of structure, cover surfaces below with plastic sheeting or similar material.

Perimeter Treatment

Application Instructions: Apply a band application 6 to 7 feet wide around and adjacent to the structure. Also, treat the base of the structure up to a height of 2 feet.

Use a spray volume of 2 to 10 gallons of emulsion per 1000 square feet. Higher volumes of water may be needed if mulch or leaf litter is present or foliage is dense. House siding may be spot, or crack-and-crevice treated if pests such as Gypsy moth adults and caterpillars, box elder bugs, elm leaf beetles, earwigs or silverfish are present.

Posts, Poles, and Other Structures

Create an insecticidal barrier in the soil around wooden structures, such as signs, fences and landscape ornamentation by applying a 0.5% emulsion.

Application Instructions: Previously installed poles and posts may be treated by sub-surface injection. Treat on all sides to create a continuous insecticidal barrier around the pole. Use 1 gallon of a 0.5% emulsion per foot of depth for poles and posts less than six inches in

diameter. For larger poles, use 1.5 gallons of emulsion per foot of depth. Apply to a depth of 6 inches below the bottom of the wood. For larger diameter constructions, use 4 gallons of emulsion per 10 linear feet per foot of depth.

Underground Services

Service areas around outside residential structures, such as wires, cables, utility lines, pipes, conduits etc. Soil treatment may be made using 0.5% to 1.0% **REALITY Termiteicide/Insecticide** emulsion to prevent attacks of termites and ants.

Application Instructions: Apply 2 to 4 gallons of a 0.5% emulsion per 10 linear feet to the bottom of the trench and allow them to soak into the soil. Lay services on the treated soil and cover with approximately 2 inches of fill soil. Apply another 2 to 4 gallons per 10 linear feet over the soil surface to complete the treatment barrier. In wide trenches, only treat the soil in the area near the services. It is important to establish a continuous barrier of treated soil surrounding the services.

Where soil will not accept the above-labeled volume, 1 to 2 gallons of 1% **REALITY Termiteicide/Insecticide** may be used per 10 linear feet of trench both to the bottom of the trench and over the soil on top of the services.

Finish filling the trench with treated fill soil. The soil where each service protrudes from the ground may be treated by trenching/rodding of no more than 1 to 2 gallons of emulsion into the soil.

Underground Application Restrictions:

- **DO NOT** treat electrically active underground services.

Spot Treatment for Nuisance Pests

Application Instructions: For the control of insects, such as, termites, ants, carpenter ants, wood infesting beetles (Old House Borer, Powder Post), bees, wasps, hornets and yellow-jackets in posts, poles and other wood constructions around outside structures, spot spray 0.5% emulsion to voids and galleries in damaged wood and in spaces between wooden members of a structure and between wood and foundation where wood is vulnerable. Plastic sheeting must be placed immediately below overhead areas that are spot treated except for soil surfaces in crawlspaces. Application may be made to inaccessible areas by drilling and then injecting emulsion with a crack and crevice injector into the damaged wood or void spaces. This type of application is not intended to be a substitute for soil treatment, mechanical alteration or fumigation to control extensive infestation of wood-infesting insects.

Control of Bees and Wasps: Use a 0.5% emulsion with a fan spray using a maximum of 25 p.s.i to control wood-infesting insects active inside trees, utility poles and/or fence posts, drill to find the interior infested cavity and inject a 0.5% emulsion. To control bees, wasps, hornets, and yellow jackets, apply in late evening when insects are at rest. Aim sprays at nest openings in ground, bushes and in cracks and crevices, which may harbor nests, saturating nest openings and contacting as many insects as possible. Application should be made in the late evening when insects are at rest. Spray liberally into hiding and breeding places, contacting as many insects as possible. Repeat as necessary.

Termite carton nests in trees or building voids may be injected with 0.5% to 1.0% emulsion. Multiple injection points to varying depths may be necessary. It is desirable to physically remove carton nest material from building voids when such nests are found.

Nesting Insect Application Restrictions:

- **DO NOT** apply emulsion until location of heat pipes, ducts, water and sewer lines and electrical conduits are known and identified. Care must be taken to avoid puncturing and injection into these structural elements.
- **DO NOT** apply it into electrical fixtures, switches, or sockets.

- Firewood is not to be treated.

Applications to Lawns, Turfgrass and Other Vegetation

Residential Lawncare Applications

REALITY Termiticide/Insecticide may be used to control insect pests on ornamentals, lawns, trees, shrubs, and vines in landscape areas around residential, public, institutional, commercial and industrial buildings, parks, recreational areas and athletic fields. For use only on plants intended for aesthetic purposes or climatic modification, such as, ornamental gardens or parks, or lawns and grounds.

Not for use on turf being grown for sale or other commercial use as sod, or for commercial seed production, or for research purposes

Application Instructions: Apply **REALITY Termiticide/Insecticide** when insects appear, or feeding is noticed. Use the higher rate for heavy pest populations. Repeat the application as necessary to maintain control. **REALITY Termiticide /Insecticide** may be applied by ground equipment only. Make ground applications when the wind velocity favors on target product disposition (approximately 3 to 10 mph). Use sufficient water to obtain full coverage.

REALITY Termiticide/Insecticide has demonstrated excellent plant safety; however, not all cultivars have been tested. Before treating large numbers of plants of a particular cultivar, treat a few plants and observe prior to full-scale application.

Use Restrictions:

- **DO NOT** apply more than 2.0 lb. a.i./Acre/Year.
- **DO NOT** water the treated area to the point of run-off.
- **DO NOT** make applications during rain.
- All ground application equipment must be properly maintained and calibrated using appropriate carriers.
- **DO NOT** make ground applications during temperature inversions.
- **DO NOT** apply when the wind speed is greater than 15 mph.
- **DO NOT** apply by ground equipment within 25 feet of lakes, reservoirs, rivers, permanent streams, marshes or natural ponds, estuaries, and commercial fish farm ponds.

Application Rates for Lawns

Plant	Pest	Treatment Rate	Specific Application Instructions/Restrictions
Lawns around buildings and structures	Ants Chinch bugs Pillbugs Fleas Mole Crickets Sod Webworm Ticks (Including Deer Tick and Western Black-legged Tick which may carry Lyme disease and Rocky Mountain Spotted Fever) For additional pests controlled, consult the list of pests under Outside Surfaces and Around Buildings.	0.4 to 0.8 fl. oz. per 1,000 sq. ft.	<p>Apply using 4 to 25 gallons of spray volume.</p> <p>Subsurface Injection: For flushing of Mole Crickets, subsurface injection may be used as a flush treatment in conjunction with an EPA-registered Mole Cricket control product. Inject 0.2 to 0.8 fluid ounce of REALTY Termiticide/Insecticide per 1,000 square feet.</p> <p>Note: Follow precautions and restrictions on more restrictive labels when mixing with other products. DO NOT exceed label rates for these products. DO NOT mix products with label prohibitions against such mixing.</p>

Application Rates for Ornamental Plants and Trees

Plant	Pest	Treatment Rate	Specific Application Instructions/Restrictions
Ornamental Plants, Foliage and flowering plants, evergreens, woody and herbaceous non-edible ornamentals and non-bearing plants of fruiting species in landscaped areas around residential buildings, for treatment of plants intended for aesthetic purposes in gardens and plantscapes.	Ants Aphids Bagworm Beet Armyworm Birch Leafminer Cabbage Looper Cankerworms Citrus Thrips Coneworms** Fungus Gnat Gypsy Moth Caterpillars Heliothis spp. Japanese Beetles Lace Bug Leaf Feeding Caterpillars Leafhoppers Leafminers Leafrollers Lygus Bugs Mealybugs Nantucket Pine	4 to 8 fl. oz. per 100 gallons – or – broadcast 0.9 to 1.8 fl. oz. per 10,000 sq. ft.	<p>Apply sufficient volume of water to adequately cover foliage.</p> <p>Use higher rate for moderate to high infestations.</p> <p>Direct application to blooms may cause browning of petals. Marginal leaf burn may occur on Salvia, Dieffenbachia and Pteris Fern.</p> <p>*For control of Nantucket Pine Tip Moth and in evergreens: Begin application when adults appear. Repeat applications may be made on 5 to 7 day intervals as needed. Mix 8 ounces in 100 gallons of water and apply 5 to 10 gallons of spray per tree.</p> <p>** Seedbug and coneworm applications directions:</p>

	Tip Moth* Pine Sawflies Plant Bugs Root Weevils (Adult) Seedbugs** Tent Caterpillars Webworms Whiteflies Zimmerman Pine Moth		Ground (low and high-volume applications: Use (8 – 16 fluid oz 90.2 to 0.4 lb ai/treated acre. Apply in a minimum of 25 - 400 gallons of finished spray per acre depending on the type of spray equipment used. Apply once per season.
Ornamental Trees, including treatment of conifer seed cones.**	Clearwing Moth Borers Ash Borer, leafwing, Dogwood Borer, Lesser Peachtree Borer, Lilac Borer, OaBanded Ash Ck Borer, Peachtree Borer, Rhododendron Borer	1 to 2 qts. per 100 gallons	<p>Apply to the lower branches and trunk prior to adult emergence.</p> <p>Adult emergence varies according to pest species, host tree, environmental conditions and geographic location.</p> <p>Thorough coverage of bark is required for control.</p> <p>PROHIBITION – Harvesting of conifer seed cones is prohibited within 30 days of application.</p>
	Bark Beetles Dendroctonus spp., <i>I</i> Is spp., Elm Bark Beetles, Mountain Pine Beetle, Pine Engravers, Turpentine Beetles, Western Pine Beetle	2 to 5 qts. per 100 gallons	
	Coleopteran Borers Bronze Birch Borer, Flatheaded Apple-tree Borer	2 to 5 qts. per 100 gallons	
	For maximum residual control of the above listed pests	5.35 qts. per 100 gallons	

Specialty Applications

REALITY Termiticide/Insecticide may be applied to building foundations up to a maximum height of 3 feet.

Pests Under Slabs

Infestations of Arthropods, such as ants, cockroaches, scorpions and other nuisance pests inhabiting under paved areas may be controlled by spot or crack-and-crevice applications of 1 gallon of a 0.5% to 1.0% emulsion per 10 square feet or 2 gallons per 10 linear feet.

Pest Control in Crawlspaces

Application Instructions: Apply **REALITY Termiticide/Insecticide** at 0.5% to all surfaces as a spot treatment or crack-and-crevice in crawlspaces to control ants, fleas, roaches, scorpions, or other nuisance insects listed in this label. Products may also be applied through under structure insecticidal delivery systems such as piping or flexible tubing mounted under the structure. This treatment is not intended as a substitute for termite control.

Crawl Space Application Restrictions:

- For crawl space applications, applicators must wear respirator protection per the PPE section previously listed in this label.
- **DO NOT** allow people or pets to be treated on surfaces, until the spray has dried.
- **DO NOT** apply as a broadcast treatment to indoor surfaces at residential sites, including nurseries, day care centers, schools, hospitals and nursing homes.

Application to Outside Siding on foundations

Apply **REALITY Termiticide/Insecticide** at 0.5% to the perimeter of the foundation surface to control ants, fleas, roaches, scorpions, or other nuisance insects listed in this label.

Vinyl or aluminum Siding Application Precautions:

- The application of **REALITY Termiticide/Insecticide** to vinyl and aluminum siding attached to the foundation (particularly lightly colored, aged, weathered or otherwise damaged) may result in staining, bleaching or discoloration. Factors such as extreme heat and direct sunlight can promote damage when using emulsifiable concentrates. Before applying **REALITY Termiticide/Insecticide** to vinyl or aluminum siding, treat a small area and evaluate 30 minutes later to allow any potential staining to occur.

Vinyl or aluminum Siding Application Restrictions:

- **DO NOT** apply to vinyl or aluminum siding when exposed to direct sunlight or during the heat of the day.
- Use only for applications to building foundations, up to a maximum height of 3 feet.
- **DO NOT** touch treated surface until dry.

STORAGE AND DISPOSAL

DO NOT contaminate water, food, or feed by storage or disposal. Open dumping is prohibited.

PESTICIDE STORAGE: Store product in original container only. **DO NOT** contaminate water, other pesticides, fertilizer, food or feed in storage. Store in a well-ventilated area.

PESTICIDE DISPOSAL: **DO NOT** pour or dispose down-the-drain or sewer.

Pesticide spray mixture or rinsate that cannot be used or chemically reprocessed should be disposed of in a landfill approved for pesticides. Improper disposal of excess pesticide spray mixture or rinsate is a violation of Federal law. If this waste cannot be disposed of by the use according to label instructions, call your local solid waste Agency for local disposal options

CONTAINER HANDLING:(Nonrefillable container 5 gallons or less): **DO NOT** reuse this container to hold materials other than pesticides or dilute pesticides (rinsate). After emptying and cleaning, it may be allowable to temporarily hold rinsate or other pesticide-related materials in the container. If not, triple rinse emptied container and offer for recycling, if available, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities, such as burning of plastic containers. If burned, stay out of smoke.

Triple rinse or pressure rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full of 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. Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

(Refillable containers up to 250 gallons): Refill this container with pesticide only. **DO NOT** reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning the container before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container with about 10 percent full of water. Agitate vigorously or recirculate water with pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Offer for recycling, if available, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities, such as burning of plastic containers. If burned, stay out of smoke.

FOR CHEMICAL EMERGENCY: Spill, leak, fire, exposure, or accident, call CHEMTREC: 1-800-424-9300

[Sub-Label C]

PERMETHRIN	GROUP	3A	INSECTICIDE
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[Insert Alternate Brand Name]

**For use as an insecticide Only on Dogs > 12 Weeks Old (DO NOT use on Cats).
For indoor use only.**

Active Ingredient

Permethrin*	.....	36.7%
Other Ingredients**	.....	<u>63.3%</u>
TOTAL	.....	100.0%

**cis/trans* ratio: Max. 40% (\pm) *cis* and min. 60% (\pm) *trans*

** Contains petroleum distillates.

Contains 3.2 pounds permethrin per gallon as an emulsifiable concentrate (EC).

Shake Well Before Using

KEEP OUT OF REACH OF CHILDREN WARNING/AVISO

PRECAUCION AL USUARIO: Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

See inside booklet for complete Precautionary Statements, Directions for Use and Conditions of Sale and Warranty.

EPA Reg. No. 93182-13

EPA Est. No.: [\[tba\]](#)

P*

EPA Est. No.: [\[tba\]](#)

H

*Superscript designates first letter of
Lot number on the container

Net Contents: [fl.oz. (gal)(ml)(l)]

Distributed : tba

- or -

Manufactured for:

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PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

WARNING!

May be fatal if swallowed. Causes moderate eye irritation. 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 reusing.

FIRST AID	
IF SWALLOWED:	<ul style="list-style-type: none">• Immediately call poison control center or doctor.• DO NOT induce vomiting unless told to do so by a poison control center or doctor.• DO NOT give any liquid to the person.• DO NOT give anything by mouth to an unconscious person.
IF ON SKIN OR CLOTHING:	<ul style="list-style-type: none">• Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 – 20 minutes.• Call a poison control center or doctor for treatment advise.
IF IN EYES:	<ul style="list-style-type: none">• Hold eyes open and rinse slowly and gently with water for 15 – 20 minutes.• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.• Call a poison control center or doctor for treatment advise.
Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact PROSAR 1-866-359-5660 for emergency medical treatment information	
Note to Physician: Contains petroleum distillates. Vomiting may cause aspiration pneumonia. Consideration should be given to gastric lavage with an endotracheal tube in place. Treatment is controlled removal of exposure followed by symptomatic and supportive care.	

NOTICE: Before using this product, read the entire Precautionary Statements, Conditions of Sale and Warranty, Directions for Use, Use Restrictions and Storage and Disposal instructions inside booklet. If the Conditions of Sale and Warranty are not acceptable, return the product unopened within thirty days of purchase to the place of purchase.

USER SAFETY RECOMMENDATIONS	
Users Should:	<ul style="list-style-type: none">• Wash thoroughly with soap and water after handling. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.• Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.• 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. Remove and wash contaminated clothing before reusing.

Environmental Hazards

This pesticide is toxic to birds, fish, and aquatic invertebrates. For terrestrial uses: **DO NOT** apply directly to water, or to areas where surface water is present or to intertidal areas below the mean water mark. Care must be taken to avoid runoff. **DO NOT** contaminate water by cleaning equipment or disposal of waste. **DO NOT** contaminate water when disposing of equipment wash waters or rinsate. This product is highly toxic to bees exposed to direct treatment on blooming plants. **DO NOT** apply this product or allow it to drift to blooming crops or weeds while bees are foraging the treatment area.

Use Restrictions

Except when applying to dogs, **DO NOT** apply this product that will contact adults, children, or other pets, either directly or through drift.

Pet Product Labels and Packaging must include the following:



DIRECTIONS FOR USE

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

Shake Well Before Using



Product Stewardship

Do not allow to enter indoor or outdoor drains. *No permita la entrada a desagües internos o externos.* Follow proper disposal procedures on this label. *Siga las indicaciones del etiquetado para el desecho apropiado del producto.*

Application

Dogs Only > 12 Weeks Old (DO NOT USE ON CATS)

Use Restrictions

- Application of product on pets must only be done indoors.
- **DO NOT** apply this product (except when applying to dogs) that will contact adults, children, or other pets, either directly or through drift.

Pet Applications: Consult a veterinarian before using this product on medicated, debilitated, aged, pregnant or nursing animals. Sensitivities may occur after using any pesticide product on pets. If signs of sensitivity occur, bathe your pet with mild soap and rinse with large amounts of water. If signs continue, consult a veterinarian immediately. Repeat applications every 2 weeks, if necessary. **Pet Groomers:** No entry restrictions are required. See below under **Use Restrictions**.

Use Precautions:

- May be toxic or potentially fatal if applied to or ingested by cats. Accidental application to cats may result in tremors and/or uncoordinated muscle movements
- Grooming a recently treated dog may result in tremors and/or uncoordinated muscle movements.
- Avoid animal contact with face, eyes, and genitalia.

Use Restrictions:

- Except when applying directly to pets, **DO NOT** enter or allow others to enter until vapors, mists, and aerosols have dispersed, and the treated area has been thoroughly ventilated.
- **DO NOT** use on dogs under twelve (12) weeks old.
- **DO NOT** use on Cats.

No entry restrictions are required. See below (**"Use Restrictions"**) for further requirements

Animals	Pest	Dilute & Use	Application Rate
Dogs Only (DO NOT use on cats)	Fleas Ticks	1/4 fl. oz. to 1 pt. water, 0.6257% Al.	Low Pressure Spray: 1 to 2 fluid ounces (2 to 4 Tablespoons) * spray per animal. Spot treat back, face, legs, tail and ears. Spong Wash: This product must not be applied by sponge application.
		4 fl. oz. to 20 gallons water, 0.0625% Al.	Dip Wash: Make sure all areas are soaked to skin. Let drip dry on animal. DO NOT rinse off.

* 1 US fl. oz. = 2 US tablespoons (Calibrate a hand spray applicator using a disposable Tablespoon to determine the number of sprays per fl ounce. **DO NOT** reuse Tablespoon for any other use. Triple rinse and discard in a sanitary landfill.)

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**FOR CHEMICAL EMERGENCY: Spill, leak, fire, exposure, or accident, call
CHEMTREC: 1-800-424-9300**

IMPORTANT INFORMATION READ BEFORE USING PRODUCT

CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

Seller warrants that at the time of delivery the product in this container conform to its chemical description contained hereon and are reasonably fit for its intended purpose under normal conditions of use. This is the only warranty made on this product. Seller expressly disclaims any implied warranties of merchantability or fitness for any particular purpose and, except as set forth above, any other express or implied warranties. Any damage arising from breach of warranty or negligence shall be limited to direct damages not exceeding the purchase price paid for this product by Buyer, and shall not include incidental or consequential damages such as, but not limited to, loss of profits or values. It is impossible to eliminate all risks inherently associated with the use of this product. Plant injury, ineffectiveness, or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of the Seller. To the fullest extent permitted by law, Seller shall not be liable for the consequential, special or indirect damage resulting from the use or handling of this product. All such risks shall be assumed by the Buyer. Buyers acknowledge the use of their own independent skill and expertise in the selection and use of the product and does not rely on any oral or written statements or representations.