



EVOLUER 4-4 ULV

For use only by federal, state, tribal, or local government officials responsible for public health or vector control, or by persons certified in the appropriate category or otherwise authorized by the state or tribal lead pesticide regulatory agency to perform adult mosquito control applications, or by persons under their direct supervision.

This product is Ready-To-Use, Quick Knockdown, Low Odor, Non-Corrosive Synergized Synthetic Pyrethroid for Control of Adult Mosquitoes, Biting and Non-Biting Midges, Black flies and other outdoor flying insects as listed on this label which cause Public Health annoyance in Residential, Municipal and Recreational Areas.

READ ENTIRE LABEL BEFORE USING

READY-TO-USE

ACTIVE INGREDIENTS:

*Permethrin..... 4.0%
 **Piperonyl Butoxide..... 4.0%
OTHER INGREDIENTS***..... 92.0%
TOTAL:..... 100.0%

*(3-phenoxyphenyl)methyl(+/-)Cis/trans 3-(2,2-dichloroethenyl)2,2-Dimethyl cyclopropane carboxylate. cis/trans ratio: min. 35% (+/-) cis and max. 65% (+/-) trans.
 ** Equivalent to 80% (butylcarbityl)(6-propylpiperonyl) ether and 20% related compounds.
 *** Contains a petroleum distillates
 Contains 0.29 pounds of Permethrin and 0.29 pounds of Piperonyl Butoxide per gallon.

This product will not dilute with water.

KEEP OUT OF REACH OF CHILDREN CAUTION

PRECAUCION AL USUARIO: Si usted no lee ingles, no use este producto hasta que la etiqueta haya sido explicado ampliamente" (If you do not understand the label, find someone to explain it to you in detail).

FIRST AID	
If Swallowed:	Immediately call a 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:	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
Hot Line Number:	Have this product container or label with you when calling a poison control center or doctor, or when going for treatment. You may also call 1-800-858-7378 for emergency medical treatment advice.
Note to Physician:	Contains petroleum distillates. Vomiting may cause aspiration pneumonia.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if swallowed. Harmful if absorbed through the skin. Avoid contact with skin, eyes or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

PERSONAL PROTECTIVE EQUIPMENT (PPE): Some Materials that are chemical-resistant to this product are nitrile and neoprene. If you want more options, follow the instructions for category E on an EPA chemical-resistance category selection chart. Mixers, applicators, and other handlers must wear: Long-sleeve shirt and long pants; shoes plus socks; chemical-resistant gloves for all handlers (except for applicators using motorized ground equipment, pilots, and flaggers); chemical-resistant apron for mixers/loaders, persons cleaning equipment, and persons exposed to the concentrate.

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's concentrate. Do not reuse them. See engineering controls for additional requirements.

USER SAFETY RECOMMENDATIONS: User should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. User should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENGINEERING CONTROLS: Pilots must use an enclosed cockpit that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR 170.240(d)(6)). Human flagging is prohibited. Flagging to support aerial application is limited to use of the Global Positioning System (GPS) or mechanical flaggers.

ENVIRONMENTAL HAZARDS

This pesticide is extremely toxic to aquatic organisms, including fish and invertebrates. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean water mark. Do not apply when weather conditions favor drift from treated areas. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment wash waters. Under some conditions, it may also have a potential for transport into surface water runoff (primarily adsorbed to suspended soil particles), for several months or more after application.

These include poorly drained or wet soils with readily visible slopes toward adjacent surface waters, frequently flooded areas, and areas overlying extremely shallow groundwater, 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 overlying tile drainage systems that drain to surface waters.

BEE WARNING: This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply to blooming crops or weeds while bees are visiting the treatment areas, except when applications are made to prevent or control a threat to public and/or animal health determined by a state, tribal or local health or vector control agency on the basis of documented evidence of disease causing agents in vector mosquitoes or the occurrence of mosquito-borne disease in animal or human populations, or if specifically approved by the state or tribe during a natural disaster recovery effort.

PHYSICAL AND CHEMICAL HAZARDS

Do not use, pour, spill, or store near heat or open flame.

DIRECTIONS FOR USE

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

WHEN TO APPLY

NOTE: Before making the first application in a season, it is advisable to consult with the state or tribal agency with primary responsibility for pesticide regulation to determine if other regulatory requirements exist.

FOR BEST RESULTS: Treat when mosquitoes or insects are most active and weather conditions are conducive to keeping the fog near the ground e.g. cool temperatures, and consistent wind speeds are not greater than 10 MPH. Apply when wind speed is greater or equal to 1 MPH. Applications during the cool hours of night or early morning are usually preferable.

Do not apply when air temperature is below 50° F.

Do not retreat site more than once in 3 days. Do not exceed 25 applications at 0.007 pound permethrin per acre per application or 0.18 pound of permethrin per acre in any given season. When targeting Aedes Taieirohynchus, more frequent treatments may be made to prevent or control a threat to public and/or animal health determined by a state, tribal or local health or vector control agency on the basis of documented evidence of disease causing agents in vector mosquitoes or the occurrence of mosquito-borne diseases in animal or human populations, or if specifically approved by the state or tribe during a natural disaster recovery effort.

Apply when wind speed is greater than 1 MPH. Do not apply by fixed wing aircraft at a height less than 100 ft., or by helicopter at a height less than 75 ft. unless specifically approved by the state or tribe based on public health needs.

Application is prohibited directly into sewers or drains, or to any areas like a gutter where drainage to sewers, storm drains, water bodies, or aquatic habitat can occur. Do not allow the product to enter drain during or after application. Not for use in metered release systems. Not for use in outdoor residential misting systems.

RATES CHARTS

ALLPRO EVOLUER 4-4 ULV USE, UNDILUTED
CONDITIONS AND RATES TO USE ALLPRO EVOLUER 4-4 ULV UNDILUTED FOR MOSQUITO CONTROL

POUNDS A.I. PER/ACRE		APPLICATION RATES FL. OZ. PER MINUTE AT M.P.H.				FL. OZ. FINISHED SPRAY
PERMETHRIN	PBO	5 M.P.H.	10 M.P.H.	15 M.P.H.	20 M.P.H.	PER ACRE
0.00700	0.00700	9.4	18.8	28.2	—	3.1
0.00350	0.00350	4.7	9.4	14.1	18.9	1.54
0.00175	0.00175	2.4	4.7	7.0	9.4	0.77
0.00100	0.00100	1.4	2.7	4.0	5.4	0.44

HOW TO APPLY

GROUND APPLICATION: Spray equipment must be adjusted so the volume median diameter or mass median diameter is less than 30 microns (Dv 0.5 < 30 µm) and that 90% of the spray is contained in droplets smaller than 50 microns (Dv 0.9 < 50 µm). Directions from the equipment manufacturer or vendor, pesticide registrant or a test facility using a laser-based measurement instrument must be used to adjust equipment to produce acceptable droplet size spectra. Application equipment must be tested at least annually to confirm that pressure at the nozzle and nozzle flow rates(s) are properly calibrated. Apply at a rate not to exceed 0.007 pound of permethrin per acre.

For proper ground application mount the fog applicator so that the nozzle is at least 4 1/2 ft. above the ground level and directed out the back of the vehicle. Failure to follow these label directions may result in reduced effectiveness. For aerial application refer to the "Aerial Application" section on this label. AllPro Evoluer 4-4 ULV may be used as is, or diluted with a suitable solvent such as 60 to 100 second viscosity mineral oil and applied at a rate not to exceed 2.41 fluid ounces of AllPro Evoluer 4-4 ULV per acre. For exact rates, see the "Undiluted" or the "1 to 1 Dilution" rate charts on this label.

AllPro Evoluer 4-4 ULV is recommended for application as an Ultra Low Volume (ULV) Thermal or Non-Thermal aerosol (cold fog) to control adult mosquitoes, and other insects as listed on this label, in residential and recreational areas where these insect pests become a problem; such as, but not limited to parks, campsites, woodlands, athletic fields, golf courses, residential areas, municipalities, gardens, playgrounds, and non-crop waste areas.

AllPro Evoluer 4-4 ULV can be applied over specific growing crops and range grasses prior to harvest for the control of adult mosquitoes and biting flies within or adjacent to these areas. Application can only be made where the following crops are present: Alfalfa, Almonds, Apples, Artichokes (globe), Asparagus, Avocados, Broccoli, Brussels sprouts, Cabbage, Cauliflower, Celery, Cherries, Corn (forage, fodder, grain [field and pop], stover, sweet kernel + cob with husks removed), Eggplant, Filberts, Garlic, Horseradish, Kiwifruit, Leafy vegetables (except Brassica), Lettuce (head), Mushrooms, Onions (dry bulb), Peaches, Pears, Peppers (bell), Pistachios, Potato, Range grasses, Soybeans, Spinach, Tomatoes, Vegetables (cucurbit), Walnuts, Watercress

Do not allow spray treatment to drift on cropland, (other than crops listed) or water supplies. In treatment of corrals, feedlots, animal confinements/houses, swine lots and zoos, cover any exposed drinking water, drinking fountains and animal feed before application.

GROUND ULV NON-THERMAL AEROSOL (COLD FOG) APPLICATIONS

To control Mosquitoes, Midges and Black flies, apply **AllPro Evoluer 4-4 ULV** using any standard ULV ground applicator capable of producing a non-thermal aerosol fog and base all acreage calculations on the equipment manufacturer's recommended swath width.

When applying this product undiluted, apply at a flow rate of 2.68 to 18.80 ounces per minute at an average vehicle speed of 10 MPH. These rates are equivalent to 0.001 to 0.007 pounds of permethrin A.I. and 0.001 to 0.007 pounds of piperonyl butoxide A.I. per acre. If a different vehicle speed is used, adjust the rate accordingly. Vary flow rates according to vegetation density and mosquito population. Use higher flow rates in heavy vegetation or when insect populations are high. An accurate flow rate control system must be used to ensure proper flow rate. **AllPro Evoluer 4-4 ULV** may also be applied by diluting 1 part to 1 part of a 60 to 100 second mineral oil or another suitable solvent applies so as not to exceed the maximum A.I. rates per acre as shown in the rate charts. If an alternate dilution rate is required, adjust the flow rate accordingly, provided the droplet size and spectrum remain within the label specifications. Do not exceed a flow rate of 20 ounces per minute unless recommended by equipment manufacturers and/or Public Health Officials when undiluted or diluted 1 to 1, and high vehicle speeds of 10, 15 or 20 MPH are necessary in emergency conditions, and when fogging equipment is capable of such higher rates of output per minute.

THERMAL AEROSOL FOGGING

TRUCK MOUNTED – Apply **AllPro Evoluer 4-4 ULV** diluted or undiluted with suitable Thermal Fogging equipment. Droplet size of thermal “fog” will range 0.1 to 1.0 micron. If diluted use a 60 to 100 second viscosity mineral oil, or another suitable non-phytotoxic diluent, to reduce oil requirement and sludge buildup in equipment. Do not exceed the maximum rates. May be applied at speeds of 5 MPH up to 20 MPH.

HAND CARRIED – Use the same rates of A.I. per acre with a 50 ft. swath width at a walking speed of 2 MPH. Do not fog to wet foliage. Only use a clean, well maintained, and properly calibrated fogger, known to give excellent performance. Fog downwind. Apply **AllPro Evoluer 4-4 ULV** to deliver 0.001 to 0.007 pounds of permethrin A.I. per acre and 0.001 to 0.007 pounds of piperonyl butoxide A.I. per acre.

INSECT BARRIER APPLICATIONS

For use in Non-Thermal ULV, motorized, portable backpack fog type mist blower equipment, apply **AllPro Evoluer 4-4 ULV** with equipment adjusted to deliver ULV particles of 50 to 100 micron median diameter. Use up to 0.1 pound of permethrin A.I. per acre at a 300 ft. (91.2 m) swath width while walking at a speed of 2 MPH (3.2 KPH). Make sure that the same amount (0.1 pound) of permethrin A.I. and piperonyl butoxide A.I. is applied per acre.

When this product is applied as a barrier application using low pressure hand sprayers, hydraulic sprayers or ground ULV equipment, do not apply within 100 ft. (30 m) of lakes and streams.

AERIAL APPLICATION

Apply **AllPro Evoluer 4-4 ULV** either diluted or undiluted at rates up to 0.007 pound permethrin/PBO per acre by fixed wing or rotary aircraft equipped with a spraying system capable of making a ULV application.

For aerial applications of **AllPro Evoluer 4-4 ULV** made at ≤200 ft. above ground elevation, use ULV equipment and nozzles such as rotary atomizers or similar spray equipment. Spray equipment must be adjusted so the volume median diameter produced is less than 60 microns (Dv 0.5 < 60 µm) and that 90% of the spray is contained in droplets smaller than 115 microns (Dv 0.9 < 115 µm). Directions from the equipment manufacturer or vendor, pesticide registrant or a test facility using a laser-based measurement instrument must be used to adjust equipment to product acceptable droplet size spectra. Application equipment must be tested at least annually to confirm that pressure at the nozzle and nozzle flow rate(s) are properly calibrated.

For aerial applications of **AllPro Evoluer 4-4 ULV** made at >200 ft. above ground elevation, use ULV equipment and nozzles such as rotary atomizers or similar spray equipment. Spray equipment must be adjusted so the volume median diameter produced is less than 70 microns (Dv 0.5 < 70 µm) and that 90% of the spray is contained in droplets smaller than 145 microns (Dv 0.9 < 145 µm). Directions from the equipment manufacturer or vendor, pesticide registrant or a test facility using a laser-based measurement instrument must be used to adjust equipment to product acceptable droplet size spectra. Application equipment must be tested at least annually to confirm that pressure at the nozzle and nozzle flow rate(s) are properly calibrated.

Aerial application of **AllPro Evoluer 4-4 ULV** shall be made at altitudes ranging from 100 ft. to 300 ft. The recommended airspeed for Fixed Wing aircraft with flat fan nozzles is from 120 to 160 MPH. For Rotary Aircraft equipped with rotary nozzles, apply at a sufficient airspeed to deliver the appropriate amount of **AllPro Evoluer 4-4 ULV** A.I. per acre. Do not exceed 3/10 fluid ounces per acre of **AllPro Evoluer 4-4 ULV** which is equal to 0.007 pound permethrin A.I. per acre and 0.007 pound piperonyl butoxide A.I. per acre.

IN FLORIDA: Do not apply by aircraft unless approved by the Florida Department of Agriculture and Consumer Services.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE AND SPILL PROCEDURES: Store upright at room temperature. Avoid exposure to extreme temperatures. In case of spill or leakage, soak up with an absorbent material such as sand, sawdust, earth, fuller's earth, etc. Dispose of with chemical waste.

PESTICIDE DISPOSAL: Pesticide, spray mixture or rinsate that cannot be used according to label instructions must be disposed of at or by an approved waste disposal facility.

CONTAINER HANDLING:

NONREFILLABLE CONTAINER: Do not reuse or refill this container. Triple rinse or pressure rinse container promptly after emptying. Then offer for recycling, if available, or puncture and dispose of in a sanitary landfill or by other procedures approved by state and local authorities.

TRIPLE RINSE AS FOLLOWS - CONTAINERS 5 GALLONS OR LESS IN CAPACITY: Do not reuse or refill this container. Triple rinse or pressure rinse container 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 container 1/4 full with mineral oil 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.

CONTAINERS GREATER THAN 5 GALLONS IN CAPACITY: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with mineral oil. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. 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.

READ ENTIRE LABEL BEFORE USING

Read the entire **Directions for Use, Conditions, Disclaimer of Warranties, and Limitation of Liability** before using this product. By using this product, User and Buyer accept the following Conditions, Disclaimer of Warranties and Limitations of Liability.

CONDITIONS: The Directions for Use of this product are believed to be adequate and should be followed carefully. However it is impossible to eliminate all risks associated with the use of this product. 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 **Value Garden Supply**. To the extent consistent with applicable, all such risks shall be assumed by the User or Buyer.

DISCLAIMER OF WARRANTIES: To the extent provided by law, there are no warranties express or implied, of merchantability or of fitness for a particular purpose or otherwise, which extend beyond the statements made on this label. No agent of **Value Garden Supply** is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. **Value Garden Supply** disclaims any liability whatsoever for special, incidental, or consequential damages resulting from the use or handling of this product.

LIMITATION OF WARRANTIES: The exclusive remedy of the User or Buyer for any and all losses, injuries or damages resulting from the use or handling of this product, whether in contract warranty, tort, negligence, strict liability, or otherwise, shall not exceed the purchase price, or at **Value Garden Supply's** option, the replacement of the product.

EPA Reg. No 769-982
EPA Est. No. 44616-MO-1

RM# 26394-714

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