



# EVOLUER 30-30 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.

### ACTIVE INGREDIENTS:

Permethrin: CAS [52645-53-1] .....	30.0%
Piperonyl Butoxide: CAS [51-03-6] .....	30.0%
<b>OTHER INGREDIENTS*</b> .....	40.0%
<b>TOTAL:</b> .....	100.0%

\*Contains Petroleum Distillate

Contains 2.5 lbs. a.i. Permethrin/gallon and 2.5 lbs. a.i. Piperonyl Butoxide/gallon.

## KEEP OUT OF REACH OF CHILDREN CAUTION

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).

FIRST AID	
<b>If Swallowed:</b>	Immediately call a Poison Control Center or doctor. Do not induce vomiting unless told to 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.
<b>If on skin or clothing:</b>	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.
<b>Important:</b>	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.
<b>Note to Physician:</b>	Contains petroleum distillates. Vomiting may cause aspiration pneumonia.

### PRECAUTIONARY STATEMENTS

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION:** Harmful if swallowed or absorbed through the skin, or inhaled. 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. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Remove contaminated clothing and wash before reuse.

#### 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 this product or allow it to drift on blooming crops or weeds while bees are actively 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:** Do not apply when air temperature is below 50° F. Apply when wind speed is greater or equal to 1 MPH. Do not apply if wind speed exceeds 20 MPH. 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.

##### HOW TO APPLY

For proper ground application mount the fog applicator so that the nozzle is at least 4 1/2 ft. above ground level and directed out the back of the vehicle. May be applied at speeds of 5 MPH up to 20 MPH. 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 30-30 ULV** may be used as is, or diluted with a suitable solvent i.e. a 60 to 100 second viscosity mineral oil. For exact rates see the "UNDILUTED" or the "DILUTION" Rates charts on this label.

**AllPro Evoluer 30-30 ULV** is recommended for application as an Ultra Low Volume (ULV) Thermal or Non-thermal aerosol (cold fog) to control adult mosquitoes, flies, midges and gnats, 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.

**FOR BEST RESULTS:** Treat when mosquitoes or insects are most active and weather conditions are conducive to keeping the fog close to the ground e.g. cool temperatures. Applications during the cool hours of night or early morning are usually preferable.

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 per season. When targeting *Aedes Taerirrhynchus*, 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.

#### GROUND-BASED APPLICATIONS

Spray equipment must be adjusted so that the volume 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 rate(s) are properly calibrated. Apply at a rate not to exceed 0.007 pound of permethrin per acre.

**GROUND ULV NON-THERMAL AEROSOL (COLD FOG) APPLICATIONS:** To control mosquitoes, midges and black flies apply **AllPro Evoluer 30-30 ULV** using any standard ULV ground applicator. When applying this product undiluted apply at a flow rate of 0.32 to 2.19 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 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 30-30 ULV** may also be applied by diluting with a 60 to 100 second mineral oil or another suitable solvent, applied so as not to exceed the maximum A.I. rates per acre as shown below. If an alternate dilution is required, adjust the flow rate accordingly, provided droplet size and spectrum remain within label specifications. Do not exceed a flow rate of 20 ounces per minute unless recommended by equipment manufacturers and/or Public Health Officials.

**GROUND THERMAL AEROSOL FOGGING APPLICATIONS:** Refer to the DILUTION RATES tables for fogging applications. Droplet size of thermal "fog" will be very small usually in the 0.5 to 1.0 micron range.

**TRUCK MOUNTED** – Apply **AllPro Evoluer 30-30 ULV** diluted or undiluted with Suitable Thermal Fogging equipment. 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 0.007 pound A.I. permethrin per acre rate. 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 300 ft. swath width at a walking speed of 2 MPH. Do not wet plant foliage. Only use clean, well maintained, and properly calibrated equipment known to give excellent performance. Fog downwind. Apply **AllPro Evoluer 30-30 ULV** at 0.001 to 0.007 pound A.I. permethrin/A.I. piperonyl butoxide per acre.

**URBAN APPLICATIONS:** For control of resting or flying adult mosquitoes in harborage areas such as but not limited to utility tunnels, pipe chases, underground basements, underground passages, parking decks, crawl spaces or uninhabited buildings, apply **AllPro Evoluer 30-30 ULV** diluted or undiluted using mechanical foggers, hand-held or truck-mounted ULV equipment, or thermal foggers suitable for this application. Apply **AllPro Evoluer 30-30 ULV** at rates up to but not exceeding 0.0185 pound permethrin per acre.

**INSECT BARRIER APPLICATIONS:** AS AN INSECT BARRIER – USE A “BACKPACK” FOG-Type-MIST BLOWER. For use in non-thermal ULV, motorized, portable, backpack, fog type mist blower equipment apply **AllPro Evoluer 30-30 ULV** with equipment adjusted to deliver ULV particles of 50 to 100 volume median diameter. Use up to 0.1 pound permethrin A.I. per acre at a 300 ft. (91.44 m) swath width while walking at a speed of 2 MPH (3.2 KPH). Make sure that the same amount of permethrin A.I. – piperonyl butoxide A.I. is applied per acre.

When this product is applied as a barrier treatment, do not apply within 100 ft. (30 meters) of lakes and streams. For best results treat when insects are most active and conditions are conducive to keeping the fog close to the ground.

#### DIRECTIONS FOR AERIAL APPLICATION

Apply **AllPro Evoluer 30-30 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 30-30 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 rates(s) are properly calibrated.

For aerial applications of **AllPro Evoluer 30-30 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 rates(s) are properly calibrated.

Applications should be made at an altitude range of 100 to 300 ft. and a forward speed of 150 MPH, achieving an effective swath width of 500 ft. Flow rate should be set at 146 ounces per minute; equal to 0.36 ounce of **AllPro Evoluer 30-30 ULV** per acre. Flow rate and swath width should be set so as to achieve 0.05 to 0.36 fluid ounces of **AllPro Evoluer 30-30 ULV** per acre. **AllPro Evoluer 30-30 ULV** may be applied undiluted at rates of 0.05 to 0.36 ounces per acre by fixed wing or rotary aircraft. **AllPro Evoluer 30-30 ULV** may also be applied diluted with a suitable solvent such as mineral oil so long as 0.36 fluid ounce per acre of **AllPro Evoluer 30-30 ULV** is not exceeded.

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

**AllPro Evoluer 30-30 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 (fodder, forage, grain [field & pop], stover, sweet kernel + cob with husks removed), Eggplant, Filberts, Garlic, Kiwifruit, Horseradish, 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 spray on or allow this product to drift onto cropland (other than crops listed) or potable 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.

CONDITIONS AND RATES TO USE ALLPRO EVOLUER 30-30 ULV UNDILUTED						
POUNDS A.I. PER/ACRE		APPLICATION RATES FL. OZ. PER MINUTE AT M.P.H.				FL. OZ. ALLPRO EVOLUER 30-30 ULV PER ACRE
PERMETHRIN	PBO	5 M.P.H.	10 M.P.H.	15 M.P.H.	20 M.P.H.	
0.00700	0.00700	1.08	2.18	3.26	4.34	0.35
0.00350	0.00350	0.55	1.09	1.63	2.17	0.17
0.00175	0.00175	–	0.54	0.81	1.08	0.09

DILUTION RATES FOR ALLPRO EVOLUER 30-30 ULV FOR A 1:2 DILUTION MIX 1 PART ALLPRO EVOLUER 30-30 ULV WITH 2 PARTS SUITABLE MINERAL OIL; APPLY AS FOLLOWS:						
POUNDS A.I. PER/ACRE		APPLICATION RATES FL. OZ. PER MINUTE AT VEHICLE SPEEDS M.P.H.				FL. OZ. FINISHED SPRAY PER ACRE
PERMETHRIN	PBO	5 M.P.H.	10 M.P.H.	15 M.P.H.	20 M.P.H.	
0.00700	0.00700	3.26	6.52	9.77	13.03	1.07
0.00350	0.00350	1.63	3.26	4.89	6.51	0.53
0.00175	0.00175	0.81	1.63	2.44	3.25	0.26
0.00100	0.00100	–	0.93	1.39	1.86	0.15

FOR A 1:4 DILUTION MIX 1 PART ALLPRO EVOLUER 30-30 ULV WITH 4 PARTS SUITABLE MINERAL OIL; APPLY AS FOLLOWS:						
POUNDS A.I. PER/ACRE		APPLICATION RATES FL. OZ. PER MINUTE AT VEHICLE SPEEDS M.P.H.				FL. OZ. FINISHED SPRAY PER ACRE
PERMETHRIN	PBO	5 M.P.H.	10 M.P.H.	15 M.P.H.	20 M.P.H.	
0.00700	0.00700	5.43	10.84	16.30	21.71	1.79
0.00350	0.00350	2.71	5.43	8.14	10.85	0.90
0.00175	0.00175	1.36	2.71	4.07	5.43	0.45
0.00100	0.00100	0.77	1.55	2.32	3.10	0.26

FOR A 1:8 DILUTION MIX 1 PART ALLPRO EVOLUER 30-30 ULV WITH 8 PARTS SUITABLE MINERAL OIL; APPLY AS FOLLOWS:						
POUNDS A.I. PER/ACRE		APPLICATION RATES FL. OZ. PER MINUTE AT VEHICLE SPEEDS M.P.H.				FL. OZ. FINISHED SPRAY PER ACRE
PERMETHRIN	PBO	5 M.P.H.	10 M.P.H.	15 M.P.H.	20 M.P.H.	
0.00700	0.00700	9.77	19.50	–	–	3.22
0.00350	0.00350	4.89	9.77	14.65	19.53	1.61
0.00175	0.00175	2.44	4.88	7.31	9.77	0.80
0.00100	0.00100	1.39	2.78	4.17	5.56	0.45

FOR A 1:14 DILUTION MIX 1 PART ALLPRO EVOLUER 30-30 ULV WITH 14 PARTS SUITABLE MINERAL OIL; APPLY AS FOLLOWS:						
POUNDS A.I. PER/ACRE		APPLICATION RATES FL. OZ. PER MINUTE AT VEHICLE SPEEDS M.P.H.				FL. OZ. FINISHED SPRAY PER ACRE
PERMETHRIN	PBO	5 M.P.H.	10 M.P.H.	15 M.P.H.	20 M.P.H.	
0.00700	0.00700	16.28	–	–	–	5.37
0.00350	0.00350	8.14	16.27	–	–	2.68
0.00175	0.00175	4.07	8.13	12.19	16.25	1.34
0.00100	0.00100	2.33	4.64	6.95	9.27	0.76

#### STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE AND SPILL PROCEDURES:** Store upright at room temperatures. Do not expose to extreme temperatures. In case of spill or leakage, ventilate the area, wear chemical resistant gloves, and footwear. Retrieve and filter the liquid in some manner and use as directed on this label, or “soak-up” the liquid with absorbent material such as sawdust, soil, fuller’s earth or, etc. Dispose of the resulting chemical waste as follows.

**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.

**NOTICE:** To the extent consistent with applicable law, buyer and user assume all risk and liability of use, storage and/or handling of this product not in accordance with the terms of this label.

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