

769-987

2-23-2007

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U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs
Registration Division (7505P)
1200 Pennsylvania Avenue, N.W.
Washington, D.C. 20460

EPA Reg. Number: 769-987

Date of Issuance: FEB 23 2007

Term of Issuance: Conditional

Name of Pesticide Product: ALL Pro Aqualuer 30-30

NOTICE OF PESTICIDE:
[X] Registration
[ ] Reregistration

(Under FIFRA as amended)

Name and Address of Registrant (include ZIP Code):
Value Garden Supply, LLC
P.O. Box 585
St. Joseph, MO 64502

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A), provided that you:

- 1. You will submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.
2. You will make the following label changes before you release the product for shipment:
a. Revise the EPA Registration Number to read "EPA Registration Number 769-987."

Signature of Approving Official:

Date:

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b. Under Precautionary Statement delete, "or inhaled" since this is in Toxicity Category IV.

c. Under If Swallowed replace "Do not give any liquid to the person to "Have person sip a glass of water if able to swallow."

d. Under Physical and Chemical Hazards change "Do not use, pour, spill, or store near heat or open flame." to read change "Combustible. Do not use, pour, spill, or store near heat or open flame."

e. In the directions for use under the sub-heading "How to Apply and Where to Use" add: "Apply this product only when wind speed is greater than 1 mph."

f. Add "see side/back panel for additional precautions" to the front panel.

g. Under Barrier Applications revise "To exclude and control ... etc." to "To Control resting or flying adult ... etc."

h. Under aerial application change "1150 um" to "115 um".

3. You must submit a one year storage stability (830.6317) to the Agency on the proposed product. It is recommended that the observations be made at 0, 6, 9, and 12 month intervals. A hard copy of the results must be submitted to the Agency along with an electronic copy.

**ACUTE TOXICITY REVIEW**

STUDY	MRID	CATEGORY	CLASSIFICATION
Acute Oral	45388601	III	Cited
Acute Dermal	45388602	III	Cited
Acute Inhalation	45388603	IV	Cited
Eye Irritation	45388004	IV	Cited
Dermal Irritation	45388605	IV	Cited
Dermal Sensitization		waived	

4. Please note that a notice of availability of EPA's registration eligibility document (RED) for product containing Permethrin was published in the FR on June 28, 2006 (Vol71 No. 124 page 36788). Additional data and/or labeling changes may be required for products containing Permethrin.

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# AllPro<sup>®</sup> Aqualuer<sup>®</sup> 30-30

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.

## A Synergized Permethrin Formulation.

- For Effective Control of Adult Mosquitoes (including organophosphate resistant mosquitoes), Midges (Biting and Non-Biting) and Blackflies.
- For ULV, Thermal and Barrier Applications using Ground and Aerial Equipment for control of Adult Mosquitoes and other biting flies.
- Formulation Allows Dilution with Water or Oil.
- May be Applied Undiluted.
- For surface and barrier applications using handheld equipment.
- Quick Knockdown and Effective Control of Target Insects.
- For ULV applications at rates up to 0.007 lbs. a.i. per acre.
- For barrier application at rates up to 0.1 lbs. a.i. per acre.
- Compatible with injector mixing systems or other insecticide mixing systems.

ACCEPTED  
with COMMENTS  
in EPA Letter Dated

FEB 23 2007

Under the Federal Insecticide, Fungicide, and Rodenticide Act  
769-987

### ACTIVE INGREDIENTS:

Permethrin: CAS [52645-53-1].....30.0%  
 Piperonyl Butoxide Technical CAS [51-03-6]..... 30.0%

OTHER INGREDIENTS:..... 40.0%  
**Total** 100.0%

Contains 2.52 lbs. a.i. Permethrin/gallon and 2.52 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

**IF SWALLOWED:** 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.

**IF ON SKIN OR CLOTHING:** 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.

**IMPORTANT:** 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 distillate - vomiting may cause aspiration hazard.

EPA Reg. No. 769-

EPA Est. No. 44616-MO-1

Net Contents:

**Value Garden Supply**  
P.O. BOX 585 • ST. JOSEPH, MO 64502

**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.

**ENVIRONMENTAL HAZARDS**

This product is extremely toxic to fish and aquatic invertebrates. Runoff from treated areas or deposition of spray droplets into a body of water may be hazardous to fish and aquatic invertebrates. Do not apply over bodies of water (lakes, rivers, permanent streams, natural ponds, commercial fish ponds, swamps, marshes or estuaries), except when necessary to target areas where adult mosquitoes are present, and weather conditions will facilitate movement of applied material away from the water in order to minimize incidental deposition into the water body. Do not contaminate bodies of water when disposing of equipment rinsate or washwaters.

**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 recover 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.

**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.

**HOW TO APPLY AND WHERE TO USE**

**Aqualuer 30-30** is designed for application as an Ultra-Low Volume (ULV) or thermal aerosol to control adult mosquitoes and flies of nuisance, public health or disease vector importance in areas such as but not limited to: residential areas, industrial areas, commercial areas, urban areas, parks, campgrounds, woodlands, athletic fields, golf courses, playgrounds, recreational areas, overgrown waste areas, roadsides, and other areas where adult mosquitoes and flies may be found.

**Aqualuer 30-30** is recommended for application with ULV cold aerosol generators, thermal aerosol generators, mist-blowers, backpack sprayers, or handheld sprayers. Mist-blowers, backpack sprayers, handheld sprayers and low-pressure hand sprayers may be used for barrier or surface applications.

**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 m.p.h. Applications during the cool hours of night or early morning are usually preferable.

Do not retreat the same site more than once in 12 hours, no more than 20 applications should be made to a site in any month. 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 disease in animal or human populations, or if specifically approved by the state or tribe during a natural disaster recovery effort.

**Aqualuer 30-30** 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:

- |                  |                                    |
|------------------|------------------------------------|
| Almonds          | Leafy Vegetables (except Brassica) |
| Apples           | Lettuce, head                      |
| Broccoli         | Mushrooms                          |
| Brussels sprouts | Onions, dry bulb                   |
| Cabbage          | Peaches                            |
| Celery           | Pears                              |
| Cauliflower      | Peppers, bell                      |
| Cherries         | Soybeans                           |
| Corn, fodder     | Tomatoes                           |
| Corn, forage     | Vegetables, cucurbit – group 9     |
| Corn grain       | Walnuts                            |
| Eggplant         |                                    |
| Range Grasses    |                                    |

Do not allow spray treatment to drift on pastureland, 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.

**Aqualuer 30-30** provides effective control of adult mosquitoes, black flies, gnats, biting and non-biting midges, stable flies, horse flies, deer flies, sheep flies, horn and heel flies, and nuisance flying insects such as houseflies.

Air temperatures should be greater than 50° F when conducting all types of applications.

**GROUND APPLICATION**

**Vehicle-Mounted ULV Cold Aerosol Generators (Cold Fog):** Apply through non-thermal ULV application equipment and base all acreage calculations on the equipment manufacturer's recommended swath width. Spray equipment must be adjusted so the volume median diameter or mass median diameter is less than 30 microns ( $D_v 0.5 < 30 \mu m$ ) and that 90% of the spray is contained in droplets smaller than 48 microns ( $D_v 0.9 < 48 \mu m$ ). 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. Apply at a rate not to exceed 0.007 pounds of permethrin per acre. An optimum swath is created when **Aqualuer 30-30** is applied from a truck being driven perpendicular to the wind direction. Direct the spray head of the equipment to ensure an optimum distribution of the spray cloud throughout the area. For best results, apply when insects are most active and meteorological conditions are conducive to keeping the spray cloud near the ground. An inversion of air temperatures and a light breeze of approximately 1 to 3 mph is preferable. During applications consistent ground wind speeds should not exceed 10 MPH. Application of this product during cooler hours of the night or early morning is recommended.

**Aqualuer 30-30** may be applied through all ULV Cold Aerosol Generators, or other similar equipment designed for non-thermal ULV aerosol applications. The desired application rate may be obtained from the chart below or by altering the dilution rate of **Aqualuer 30-30**, the flow rate of the insecticide from the application equipment and the vehicle speed. Some examples are provided in the following chart. When an alternate rate is required, adjust the flow rate accordingly, provided the droplet size and spectrum remain within the label specifications.

FLOW RATE (Fluid Ounces Per Minute)						
Dilutions Based on a 15 Gallon Tank*						
Application Rate (Pounds of Permethrin a.i./Acre)	Vehicle Speed (MPH)	Undiluted	Diluted 1: 4	Diluted 1: 5	Diluted 1: 6.5	Diluted 1: 9
0.0015	10	0.46	2.32	2.77	3.50	4.7
	15	0.70	3.47	4.15	5.20	7.0
	20	0.93	4.64	5.60	7.00	9.3
0.00175	10	0.55	2.70	3.24	4.05	5.4
	15	0.82	4.05	4.84	6.07	8.1
	20	1.09	5.40	6.48	8.10	10.8
0.0035	10	1.09	5.40	6.48	8.1	10.8
	15	1.65	8.10	9.68	12.1	16.1
	20	2.19	10.8	12.9	16.1	21.5
0.007	10	2.19	10.7	12.9	16.1	21.5
	15	3.28	16.1	19.4	24.2	
	20	4.38	21.4	25.8		

\*Dilution Instructions: Fill tank with appropriate amount of water for the desired dilution, then add **Aqualuer 30-30** and mix well. The use of metering pumps, injector systems or other mixing systems is optional. Note: When using oil as a diluent agitate well before use.

Where dense vegetation is present, use higher rates of application and/or a slower speed for best results. All applications should be conducted when temperatures are greater than 50° F.

**BACKPACK OR HANDHELD SPRAYER APPLICATION:** Apply through non-thermal ULV application equipment and base acreage calculations on a 300-foot swath. To apply undiluted at 0.007 pounds of permethrin per acre adjust equipment to an output rate of 0.86 ounces per minute and walk at 4 mph. To apply 0.0035 pounds of permethrin per acre, dilute 1 part **Aqualuer 30-30** with 6 parts of diluent and apply at a rate of 3 ounces per minute and walk at 4 mph.

**THERMAL AEROSOL APPLICATION:** For use in truck-mounted, handheld or other thermal fogging equipment. Spray equipment must be adjusted so the volume median diameter or mass median diameter is less than 30 microns ( $Dv\ 0.5 < 30\ \mu m$ ) and that 90% of the spray is contained in droplets smaller than 48 microns ( $Dv\ 0.9 < 48\ \mu m$ ). 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. Apply this product mixed with water or oil at a rate not to exceed 0.007 lbs. per acre. Base acreage calculations on a 300 feet swath. For best results, direct the thermal fog into and allow to drift through areas where adult mosquitoes are found.

**BARRIER APPLICATIONS:** To exclude and control resting or flying adult mosquitoes in areas such as animal quarters, roadsides, urban areas, residential areas, commercial areas, industrial areas, golf courses, parks, recreational areas, tire piles and all public areas where adult mosquitoes occur or find harborage. May be used to treat aggregation and harborage areas such as the perimeter of residential buildings, commercial buildings, storage buildings, crawl spaces, transport trailers, abandoned or uninhabited buildings and other areas where adult mosquitoes find harborage.

To apply this product using low pressure hand sprayers or other similar equipment, for the control of mosquitoes on resting or aggregation surfaces mix 0.0875 oz. ( 2.59 ml ) in one gallon of water and apply sufficient spray to dampen the surface - approximately 700-750 square feet of treated area. Use equipment that is capable of delivering an even distribution of the labeled rate over the treatment area. For application using backpack or truck-mounted mist-blower equipment apply **Aqualuer 30-30** undiluted at a rate not to exceed 5.08 oz. per acre. If diluted apply at a rate not to exceed 0.1 lbs. permethrin a.i. per acre. Diluted or undiluted applications may be made onto foliage at the perimeter of areas such as recreational areas, parks, or golf courses from which mosquitoes or flies are to be excluded. Applications may be directed into harborage areas or other resting areas where adult mosquitoes or flies may be found.

flies and biting midges in harborage areas such as but not limited to utility tunnels, sewers, storm drains and catch basins, pipe tunnels, basements, underground passages, parking decks, crawl spaces under buildings, abandoned buildings or uninhabited buildings. Apply **Aqualuer 30-30** diluted or undiluted using mechanical foggers, hand-held or truck-mounted ULV equipment, thermal foggers or other spray equipment suitable for this type of application. **Aqualuer 30-30** maybe applied at rates up to but not exceeding 0.007 lbs. permethrin per acre.

#### AERIAL APPLICATION

Apply **Aqualuer 30-30** either diluted or undiluted at rates up to 0.007 lbs. 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 **Aqualuer 30-30**, 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 ( $Dv\ 0.5 < 60\ \mu m$ ) and that 90% of the spray is contained in droplets smaller than 80 microns ( $Dv\ 0.9 < 80\ \mu m$ ). 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.

Aerial application of **Aqualuer 30-30** shall be made at altitudes ranging from 100 feet to 300 feet. Do not apply when ground wind speed equals 0 MPH or when ground wind exceeds 10 MPH. Aerial applications of **Aqualuer 30-30** shall only be made when recommended by public health officials and trained personnel of mosquito abatement districts and other mosquito control programs. To ensure best results applications shall be made when temperatures are greater than 50° F.

For best results, apply **Aqualuer 30-30** when insects are most active and meteorological conditions are conducive to keeping the spray cloud near the ground. Aerial applications using aircraft equipped with global positioning systems (GPS) may be needed to compensate for windy conditions and to ensure drift into target areas.

**IN FLORIDA:** Do not apply by aircraft except in emergency situations and with the approval of 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 rinse water that cannot be used according to label instructions must be disposed of at or by an approved waste disposal facility.

**Container Disposal:** Triple rinse or equivalent, then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

NOTICE: 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.

Revision 06/01/06