Clarke

Family owned business since 1947
Duet

The Dual-Active Adulticide
Duet... Dual Active Ingredients put more mosquitoes in the line of fire

• Lab research indicates that prallethrin provokes mosquitoes out of harborage areas in a state of benign agitation
  – Does NOT create a biting frenzy
  – Confuses the mosquito
  – Increases probability that mosquitoes will come in contact with Duet
DUET™ Dual-Action Adulticide

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 local public health agency to perform adult mosquito control applications, or by persons under direct supervision.

A dual-kill mechanism, Duet functions synergistically with pyrethrum to effectively control Adult Mosquitoes, Gnats, biting and non-biting insects and flies in outdoor residential & recreational areas.

**ACTIVE INGREDIENTS**

- Proflumyl (RS)-2-methyl-4-oxo-3-propyl-cyclohexanone (2.5%)

- Deltamethrin 10% wettable powder

- Pyrethrin B (0.5%)

**OTHER INGREDIENTS**

- PEG 8000 (10%)

- Contains 0.66% of Proflumyl, 0.375% of Deltamethrin & 0.375% of Pyrethrin B

*Note: All products contain additional active and inert ingredients.

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

**PRECAUTIONARY Statements**

<table>
<thead>
<tr>
<th>HAZARDS TO HUMANS AND DOMESTIC ANIMALS</th>
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</thead>
<tbody>
<tr>
<td>CAUTION: Harmful if inhaled. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before re-use.</td>
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<tr>
<td>HANDLER: Wash thoroughly with soap and water after handling and before eating, drinking, or smoking. Do not eat, drink, or smoke while handling. Wash hands after handling.</td>
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<tr>
<td>IN CASE OF CONTACT: Wash the contaminated area with soap and water. If irritation occurs, consult a physician.</td>
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<tr>
<td>IN CASE OF INGESTION: Do not induce vomiting. Place the container near the person and call a physician or Poison Control Center. Do not give anything by mouth to an unconscious person.</td>
</tr>
<tr>
<td>NOTE TO PHYSICIAN: Contains pyrethroid insecticides - vomiting may cause asphyxiation in humans.</td>
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</tbody>
</table>

**FIRST AID**

Have the product container or label with you when calling a poison control center or doctor, or giving first aid. For information regarding medical emergencies by pesticide incident, call 1-800-374-0322.

**IF SWALLOWED:**

- Immediately call a poison control center or doctor. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

**NOT TO PHYSICIAN:** Contains pyrethroid insecticides - vomiting may cause asphyxiation in humans.

**PRECAUTIONARY DISCUSSION**

**HUMAN HEALTH**

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 local public health agency to perform adult mosquito control applications, or by persons under direct supervision.

**PHYSICAL OR CHEMICAL HAZARDS**

Do not use or store near heat or open flame.

**DIRECTIONS FOR USE**

Read and follow all instructions and warnings on the product label. It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

**USE RESTRICTIONS**

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 local public health agency to perform adult mosquito control applications, or by persons under direct supervision.

**IN CALIFORNIA:** This product is to be applied by County Health Department, State Department of Health Services, Mosquito and Vector Control or Mosquito Abatement District personnel only.

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

**DO NOT SPRAY WITH:**

- Direct spray with more than 0.003 lbs of Pyrethrum per 1,000 ft². Spraying at this rate is not recommended.

**NOTE:** When applying products with other miscible containing PEG, do not exceed 2 lbs PEG per gallon of water.

**NOT FOR USE IN:**

- Outdoor residential settings. Not for use in commercial release systems. DUET cannot be applied in water. Dilute product with light mineral oil if surface tension is preferred.

**USE INFORMATION**

DUET is approved for use as a thermal aerosol and as an Ultra Low Volume (ULV) aerosol applied in mosquito abatement programs involving outdoor residential and non-residential areas where adult mosquitoes are present in large numbers, and in vegetation surrounding pools, woodlands, swamps, marshes, overgrown areas and golf courses.

For best results, apply when mosquitoes are most active and meteorological conditions are conducive to keeping the spray cloud close to the ground. Application in calm air conditions is to be avoided. Apply only when wind speed is less than 10 mph. All types of applications should be conducted at temperatures above 60°F.

**SPRAY DROPLET SIZE DETERMINATION**

- Ground-based, aerial, area mosquito abatement application: Spray equipment must be adjusted so that the volume median diameter (VMD) is between 0.8 and 3.0 microns (0.8-3.0 < 30 um) and that 60% of the spray is contained in droplets smaller than 50 microns (20.8-50.0 µm). Directional from the equipment manufacturer or vendor, pyrethroid registered, 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 at least annually to confirm that the nozzle and nozzle flow rate are properly calibrated.

**GROUND U.V. APPLICATION**

- To control mosquitoes and other listed insects, apply DUET at a flow rate of 2.5 to 7.4 fluid ounces per minute at an average vehicle speed of 10 mph using a swath width of 300 feet for configurations (see chart below). Under normal residential conditions a flow rate of 4.8 fluid ounces per minute is rec-
Natular Larvicide

New class of chemistry with a new mode of action
Sustainable solution formulations
Greater application flexibility
Precision performance
Presidential Green Chemistry Challenge Award - 2010
Coco Bear™ – Larviciding Oil

• 90% reduction of petroleum distillate
• Has demonstrated superior performance compared to Golden Bear in field trials
• No crop tolerances
• Patent pending formulation
The New, Re-designed Promist Dura®

Flexibility & Durability in a Quiet, Eco-friendly Electric ULV Sprayer
Clarke

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