

**TEKNAR® HP-D  
HIGH POTENCY LARVICIDE FOR MOSQUITOES  
AND BLACKFLY**

Active Ingredient:

*Bacillus thuringiensis*, subspecies, *israelensis*, strain SA3A

solids, spores and insecticidal toxins.....	1.6%
Other Ingredients.....	98.4%
Total.....	100.0%

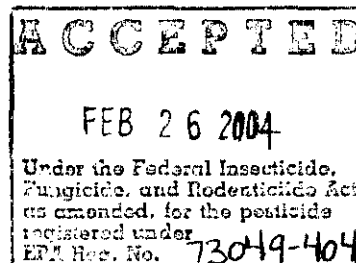
Potency: 1200 International Toxic Units (ITU) per mg  
(Equivalent to 1.12 billion potency: ITU per quart of product)

The percent active ingredient does not indicate product performance and potency measurements are not Federally standardized.

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

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EPA Reg. No. 73049-404  
EPA Est. No.



Net Contents:

<b>FIRST AID</b>	
<b>If on skin or clothing</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If inhaled</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth is possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
<b>HOT LINE NUMBER</b>	
<p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-877-315-9819 (24 hours) for emergency medical treatment and/or transport emergency information. For all other information, call 1-800-323-9597.</p>	

**PRECAUTIONARY STATEMENTS  
HAZARD TO HUMANS (AND DOMESTIC ANIMALS)  
CAUTION**

Harmful if inhaled or absorbed through skin. Avoid contact with skin, eyes, or clothing. Avoid breathing spray mist. Remove and wash contaminated clothing before reuse.

**Personal Protective Equipment**

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants.
- Waterproof gloves.
- Shoes plus socks.

Mixers/loaders and applicators not in enclosed cabs or aircraft must wear a dust/mist respirator meeting NIOSH standards of at least N-95, R-95 or P-95. Repeated exposure to high concentrations of microbial proteins can cause allergic sensitization.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry

<p><b>User Safety Recommendations</b></p> <p>Users should:</p> <ul style="list-style-type: none"><li>Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.</li><li>Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.</li></ul>
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**ENVIRONMENTAL HAZARDS**

Do not contaminate water when cleaning equipment or disposing of equipment wash waters.  
Do not apply directly to treated, finished drinking water reservoirs or drinking water receptacles when the water is intended for human consumption.

**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

**STORAGE AND DISPOSAL**

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

**Pesticide Storage:** Store in a cool, dry place. Protect from freezing.

**Pesticide Disposal:** Wastes resulting from use of this product may be disposed of on site or at an approved waste disposal facility.

**Container Disposal:**

**Plastic Containers:** Triple rinse (or equivalent). Then 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. Do not reuse container.

**Metal Drums:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or by other approved state or local procedures.

**APPLICATION DIRECTIONS**

For Mosquito and Blackfly larval control, TEKNAR may be applied to any water sites except treated, finished drinking water reservoirs or drinking water receptacles. As the active ingredient of TEKNAR is exempt from the requirement of a tolerance on all raw agricultural commodities, applications to irrigation water are permissible.

Do not apply when wind speed favors drift beyond the area of treatment.

**Chemigation:** Apply this product only through flood (basin), furrow or border irrigation systems. do not apply this product through any other type of irrigation system. Lack of effectiveness can result from non uniform distribution of treated water. If you have questions about calibration, contact State Extension Service specialists, equipment manufacturers or other experts.

Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label-prescribed safety devices for public water systems are in place.

A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

**Flood (Basin), Furrow or Border Chemigation:** Systems using a gravity flow pesticide dispensing system must meter the pesticide into the water at the head of the field and downstream of a hydraulic discontinuity such as a drop structure or weir box to decrease potential for water source contamination from back flow if water flow stops.

Systems utilizing a pressurized water and pesticide injection system must meet the following requirements:

- The system must contain a functional check valve, vacuum relief valve and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from back flow.
- The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
- The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
- The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops, or in cases where there is no water pump, when the water pressure decreases to the point where pesticide distribution is adversely affected.
- The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
- Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

A pesticide supply tank is recommended for the application of TEKNAR by chemigation.

**GENERAL MIXING INSTRUCTIONS:**

Always shake or stir thoroughly before use. Pour recommended amount of TEKNAR onto surface of water in a nearly filled spray tank. Maintain agitation. Do not allow diluted product sprays to stand in the tank for more than 24 hours.

**SPECIFIC APPLICATION INSTRUCTIONS FOR MOSQUITO CONTROL:**

Application: Apply TEKNAR when larvae are in 1st to early 4th instar. Larvicidal action is expected within 24 hours. Reapply as needed. TEKNAR may be applied either by air or by ground application techniques. When using standard spray equipment, use adequate volume of water to insure good coverage and penetration. As low as one gallon per surface acre can be applied undiluted through appropriate ULV equipment.

Avoiding spray drift at the application site is the responsibility of the applicator. The interaction of many equipment-and-weather-related factors determine the potential for spray drift. The applicator and the treatment coordinator are responsible for considering all of these factors when making decisions.

**Recommendations:** Use lowest rate when 1st to 3rd instar larvae are predominant, and highest rate when late 3rd to early 4th instar larvae are predominant in the mosquito population. For guidance, rate ranges according to the most common mosquito habitats are provided below.

**Mosquitoes**

**Habitat**

**Rate Required for Control\***

Floodwater, Rice Fields, Pastures, Standing Pools, Woodland Pools, Snow Melt Pools, Tidal Water, Salt Marshes, Catch Basins, and Storm Water Retention Areas,

.25 - 1.0 pts/acre

Water polluted with sewage, water with moderate organic content, and water with a high level of

1.0 - 2.0 pts/acre

**SPECIFIC INSTRUCTIONS FOR BLACKFLY CONTROL**

**Application:** For blackfly control, apply with conventional equipment or with metered release upstream from infested sites to achieve recommend concentrations. Larvicidal action is expected within 24 hours. Reapply as needed. TEKNAR may be applied undiluted through appropriate ULV equipment.

**Recommendations:** Maintain a 0.5 to 0.75 ppm concentration in the stream for 15 minutes. If a shorter dosage time is desired, use an equivalent amount of TEKNAR by increasing the concentration.

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**NOTICE TO USER**

Seller makes no warranty, express or implied, of merchantability, fitness or otherwise concerning the use of this product other than as indicated on the label. User assumes all risks of use, storage or handling not in strict accordance with accompanying directions.

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