



Biolarvicide • Water Dispersible Granule

A microbial insecticide effective against mosquitoes, blackflies, nuisance flies (*Psychoda* spp. and *Chironomus* spp.) and nuisance aquatic midges (*Chironomine*) in a variety of habitats.

ACTIVE INGREDIENT:

Bacillus thuringiensis subspecies *israelensis* Strain BMP 144 solids, spores and insecticidal toxins* 43.0%

OTHER INGREDIENTS: 57.0%

TOTAL: 100.0%

*Equivalent to 7,000 International Toxic Units (ITU)/mg (1.36 Billion ITU/lb or 3.0 Billion ITU/kg). Potency units should not be used to adjust rates beyond those specified in the Directions for Use Section. Note: The percent active ingredient does not indicate product performance and potency measurements are not federally standardized.

KEEP OUT OF REACH OF CHILDREN – CAUTION

FIRST AID	
If inhaled	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.
If in eyes	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15 – 20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
If on skin or clothing	<ul style="list-style-type: none"> • 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.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
See back panel for additional precautionary statements.	

EPA Reg. No.: 62637-14
EPA Establishment No.:
Net Contents:

Manufactured for:
 Becker Microbial Products, Inc.
 11146 NW 69th Place, Parkland, FL 33076

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS - CAUTION: Harmful if inhaled or absorbed through the skin. Avoid breathing dust. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE): Mixers / loaders and applicators not in enclosed cabs or aircraft must wear a dust / mist filtering 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.

USER SAFETY RECOMMENDATIONS: Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

ENVIRONMENTAL HAZARDS: Do not contaminate water when disposing of equipment washwaters. Do not apply 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 apply this product in a manner inconsistent with its labeling.

AQUABAC DF 3000 may be applied to any water sites except treated, finished drinking water reservoirs or drinking water receptacles.

MOSQUITOES:

Habitat	Rate Required for Control (Ounces per acre)
Flood water, roadside ditches, irrigation ditches, floodwater, rice fields, pastures, woodland pools, snowmelt pools, standing pools, tidal water, salt marshes, catch basins, and storm water retention areas	13/4 – 7.0 (50 - 200 g/acre) (125 – 500 g/ha)
Standing water in fields growing crops such as: alfalfa, almonds, asparagus, corn, cotton, dates, grapes, peaches, and walnuts may be treated to control mosquito larvae at the recommended rates. When applying AQUABAC DF 3000 to these fields, do not apply this product in a way that will contact workers or persons either directly or through drift. Only protected handlers may be in the area during application.	
Polluted water (sewage lagoons, etc.) water with moderate organic matter, and water with a high concentration of suspended solids	7.0 – 14.0 (200 – 400 g/acre) (0.5 – 1.0 kg/ha)

Use the higher rate range when larvae are in the third or early fourth instar, mosquito populations are high, water is heavily polluted, and/or algae are abundant.

DILUTION RATES FOR SMALL QUANTITIES OF SPRAY:

Gallons of Spray Mixture per Acre (Ounces / grams needed per gallon of spray)

Ounces/Acre	Rates in		Final concentration, ounces/gallon of spray		
	Grams/Acre		10 Gal/Acre	25 Gal/Acre	50 Gal/Acre
1.75	50		0.175	0.07	0.04
3.50	100		0.35	0.14	0.07
7.00	200		0.70	0.28	0.14
14.00	400		1.40	0.565	0.28

SPECIFIC APPLICATION INSTRUCTIONS:

General: AQUABAC DF 3000 may be applied in conventional aerial and ground application equipment with sufficient water to provide thorough coverage of the target area. The amount of water needed will be dependent on weather, type of spray equipment and mosquito habitat.

Ground applications should be made in 5-100 gallons per acre in conventional equipment. As low as one gallon per acre surface area can be used when the target area is open with light vegetative cover.

Aerial application, fill the mix tank or aircraft hopper with the appropriate volume of water and agitate before adding AQUABAC DF 3000. Maintain agitation during loading and spraying. 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 grower are responsible for considering all of these factors when making decisions.

Mixing Instructions: Fill tank with the required amount of water. Initiate moderate agitation and continue throughout mixing. Slowly pour AQUABAC DF 3000 into the water where turbulence is the greatest. After the AQUABAC DF 3000 is dispersed, the product will remain suspended for normal application periods. Additional agitation may be required if product sets for an extended period.

NUISANCE FLIES:

For control of the Nuisance Flies *Psychoda* spp. and *Chironomus* spp. in sewage treatment facilities utilizing trickling filter systems.

APPLICATION DIRECTIONS

Nuisance Fly Habitat

Suggested Use Rates⁽¹⁾

Trickling filter system of wastewater treatment plants 4 – 20 mg per liter of wastewater feed to the system per 30 minutes.

1. Use higher rates for control of *Chironomus* spp. Apply undiluted with a pre-calibrated pump or other device into the wastewater feeding into the filters for a minimum period of 30 minutes. Repeat applications as needed. Control of *Chironomus* spp. may take two weeks.

NUISANCE AQUATIC MIDGES:

For control of *Chironomine* midges (*Chironominae: Chironomini*) inhabiting shallow, man-made and natural lakes and ponds.

APPLICATION DIRECTIONS

Nuisance Midge Habitat

Suggested Rate Range⁽¹⁾

Shallow lakes and ponds Per sewage oxidation ponds (less than an acre 6 feet deep) 3.5 pounds / acre (1.6 kg / acre)

1. Apply diluted with water in a total volume of 5 gallons / acre by pouring or spraying over the surface to be treated with a pre-calibrated device. Repeat applications as necessary. Control of *Chironomini* midges may take up to two weeks.

STORAGE AND DISPOSAL

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

Storage: Store in a cool (59 – 86° F; 15 – 30° C), dry place.

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

Container Disposal: 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.

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 label instructions.