

# AQUABAC® WDG 3000

Biolarvicide • Water Dispersible Granules

A microbial insecticide effective against larvae of mosquitoes, nuisance flies (*Psychoda* 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<sup>1</sup> ..... 43%

OTHER INGREDIENTS ..... 57%

TOTAL ..... 100%

<sup>1</sup>Equivalent to 3,000 ITU/mg of product (1.4 billion ITU/lb of product or 3.0 billion ITU/kg 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

FIRST AID	
If Inhaled	<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 by mouth-to-mouth, if possible.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
If in eyes	<ul style="list-style-type: none"><li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li><li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
If on skin or clothing	<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>
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For non-emergency information concerning this product, call the National Pesticide Information Center (NPIC) at 1-800-858-7378 Monday through Friday, 8 am to 12 pm Pacific Time (NPIC website: <a href="http://www.npic.orst.edu">www.npic.orst.edu</a> ). For medical emergencies, call your local poison control center at 1-800-222-1222.	

See below for additional Precautionary Statements.

EPA Reg. No. 62637-14  
EPA Est. 70051-CA-1  
Net Weight: 55 lbs (25 kgs)  
Batch Code:

Manufactured for:  
BECKER MICROBIAL PRODUCTS, INC.  
11146 N.W. 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 or spray mist. Causes moderate eye irritation. 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. Remove and wash contaminated clothing before reuse.

**PERSONAL PROTECTIVE EQUIPMENT (PPE):** Applicators and other handlers not in enclosed cabs or aircraft must wear protective eyewear, waterproof gloves, a long-sleeved shirt, long pants, socks and shoes.  
Mixers/loaders and applicators not in enclosed cabs or aircraft must wear a NIOSH-approved particulate respirator with any N, R or P filter with NIOSH approval number prefix TC-84A; or a NIOSH-approved powered air purifying respirator with an HE filter with NIOSH approval number prefix TC-21C. (Repeated exposure to high concentrations of microbial proteins can cause allergic sensitization.)  
Follow the 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.

**USER SAFETY RECOMMENDATIONS:** Users should immediately remove clothing/PPE if pesticide gets inside, then wash thoroughly and put on clean clothing. Users should immediately remove PPE after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

## DIRECTIONS FOR USE

It is a violation of Federal law to apply this product in a manner inconsistent with its labeling.  
AQUABAC WDG 3000 may be applied to any water site, except treated, finished drinking water reservoirs.

## MOSQUITO LARVAE CONTROL IN URBAN AND RURAL AREAS:

Habitat	AQUABAC WDG 3000 Application Rate Range (Ounces per Acre)*
Flood water, roadside ditches, irrigation ditches, rice fields, pastures, woodland pools, snowmelt pools, standing pools, tidal water, salt marshes, catch basins and storm water retention areas	1.75 - 7 (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	7 - 14 (200 - 400 g/acre) (0.5 - 1 kg/ha)
Polluted water (e.g., sewage lagoons), water with moderate organic matter and water with a high concentration of suspended solids	

\*Use the higher rate in polluted water and when late third and early fourth instar larvae predominate, mosquito populations are high and/or algae are abundant.

## DILUTION RATES FOR SMALL QUANTITIES OF SPRAY

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

AQUABAC WDG 3000 Rates in		Final Concentration, Ounces/Gallon of Spray		
Ounces/Acre	Grams/Acre	10 Gallons/Acre	25 Gallons/Acre	50 Gallons/Acre
1.75	50	0.175	0.07	0.035
3.5	100	0.35	0.14	0.07
7	200	0.7	0.28	0.14
14	400	1.4	0.56	0.28

### SPECIFIC APPLICATION INSTRUCTIONS

#### In Urban and Rural Areas

**General:** AQUABAC WDG 3000 may be applied in conventional ground or aerial application equipment in a sufficient quantity of water to provide thorough coverage of the target area. The amount of water will depend upon weather, type of spray equipment and mosquito habitat. Reapply as necessary to maintain larval control. **Thoroughly rinse and flush spray equipment following each use.**

**Mixing Instructions:** Fill the mix tank or aircraft hopper with the appropriate volume of water. Initiate moderate mechanical or manual agitation, then slowly pour AQUABAC WDG 3000 into the water. Backpack and compressed air sprayers may be agitated by shaking after adding AQUABAC WDG 3000 to the water in the sprayer. AQUABAC WDG 3000 readily suspends in water and will stay suspended over normal application periods. Additional agitation may be required if the spray mixture sits for an extended period. Do not mix more AQUABAC WDG 3000 spray solution than can be used in a 48-hour period. Do not continually agitate the spray mixture during application.

**Ground Application:** Apply AQUABAC WDG 3000 at a rate of 1.75-14 ounces/acre in 5-100 gallons of water per acre using hand-pump, airblast, mist blower or other conventional equipment. As low as one gallon of water per acre can be used when the target area is open with light vegetative cover.

**Aerial Application:** Apply AQUABAC WDG 3000 at a rate of 1.75-14 ounces/acre in 0.25-10 gallons of water per acre using fixed wing or helicopter aircraft equipped with either conventional boom and nozzle systems or rotary atomizers to provide uniform coverage of the target area. 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.

#### NUISANCE FLIES:

For control of larvae of the nuisance flies *Psychoda* and *Chironomus* spp. in sewage treatment facilities utilizing trickling filter systems.

#### APPLICATION DIRECTIONS

Nuisance Fly Habitat	AQUABAC WDG 3000 Application Rate Range*
Trickling filter system of wastewater treatment plants	4 - 20 mg per liter (0.0005 - 0.0027 oz per gallon) of wastewater fed to the system per 30 minutes.
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.	
*Use higher rates for control of <i>Chironomus</i> spp. larvae. Control of <i>Chironomus</i> spp. larvae may take two weeks.	

#### NUISANCE AQUATIC MIDGES:

For control of *Chironomine* midge larvae (*Chironominae: Chironomini*) inhabiting shallow lakes and ponds that are natural or man-made.

#### APPLICATION DIRECTIONS

Nuisance Midge Habitat	AQUABAC WDG 3000 Application Rate*
Shallow lakes/ponds including sewage oxidation ponds less than an acre, 6 feet deep	3.5 pounds/acre (1.6 kg/acre)
*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. <i>Chironomini</i> midge larvae control may take up to two weeks.	

## STORAGE AND DISPOSAL

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

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

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

**Container Handling:** Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment, then offer for recycling if available or dispose of empty bag in a sanitary landfill or by incineration. Do not burn, unless allowed by state and local ordinances. If burned, stay out of smoke.

#### WARRANTY

To the extent consistent with applicable law: Seller makes no warranty, express or implied, of merchantability, fitness or otherwise concerning the use of this product other than as indicated on this label; and User assumes all risks of use, storage or handling not in accordance with label instructions.