62637-1 06/14/2011 1/19

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Ms. Amy Plato Roberts
Agent for Becker Microbial Products, Incorporated
Technology Sciences Group, Incorporated
712 Fifth Street, Suite A
Davis, California 95616

JUN 14 2011

Re: Becker Microbial Products, Incorporated; BMP 144 (2X)
EPA Registration No. 62637-1
Minor Label and Formulation ("Fast Track") Amendment
Submissions dated 10/28/2010, 03/22/2011, 05/24/2011, and 06/10/2011
Decision No. 441848

Dear Ms. Roberts:

The Environmental Protection Agency (EPA) has reviewed your request to amend the subject product registration, which included the following changes to the product label:

1) Removal of an advisory statement associated with the Ingredient Statement ("Potency units should not be used to adjust rates beyond those specified in the Directions for Use section.") given the potential conflict with mandatory instructions (both sublabels).
2) Update to company address (both sublabels).
3) Correction of minor formatting inconsistencies and typographical errors (both sublabels).
4) Removal of First Aid statements for eye exposure given the supporting product-specific data (for eye irritation) were previously classified as Toxicity Category IV (both sublabels).
5) Modification to some of the Hazards to Humans and Domestic Animals and Environmental Hazards statements to comport with information presented in Chapter 7, Section III(D) and Chapter 8, Section III(B) of the Label Review Manual, respectively (both sublabels).
6) Removal of a qualifier ("not in enclosed cabs or aircraft") from the dust/mist filtering respirator statement and addition of Engineering Controls statements (sublabel A only; see precautionary statements for uses covered by the Worker Protection Standard).
7) Removal of a statement from the User Safety Recommendations box ("Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.") to avoid conflict with a similar mandatory statement found in the Hazards to Humans and Domestic Animals section (sublabel A only).

CONCURRENCES								
SYMBOL ▶	7511P	7511P	7511P					
SURNAME ▶	KAUSCH	Reynolds	[signature]					
DATE ▶	06/14/2011	6/14/11	6/14/11					

* U.S. Government Printing Office: 2005 206-899 (mac)

19) Clarification of the following statement under the Product Information subheading (changes emphasized) (sublabel B only):

> "Apply BMP 144 (2X) to containerized standing water or any private water sites except treated, finished drinking water reservoirs or drinking water receptacles when the water is intended for human consumption or state waters."

20) Clarification of the Directions for Use for the ½ fl oz, 1 fl oz, 2 fl oz, 6 fl oz, 12 fl oz, and 16 fl oz container sizes (sublabel B only).
21) Removal of a claim ("Concentrated Formula") from the Optional Label Claims section.
22) Revision of current claims 7 and 8 (in the Optional Label Claims section) to align with like claims found on other Becker Microbial Products, Incorporated labels.

Additionally, at EPA's request, you also updated the confidential statements of formula (CSFs) on file for BMP 144 (2X). There are now only two valid CSFs for this product registration: (1) basic formulation dated June 7, 2011 and (2) alternate formulation A dated June 7, 2011. All previously accepted BMP 144 (2X) CSFs have been superseded by the aforementioned CSFs.

All the changes referred to above, submitted in connection with registration under section 3(c)(5) of the Federal Insecticide, Fungicide, and Rodenticide Act, are acceptable provided that you submit two (2) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 enclosure for a further description of a final printed label.

Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions. If you have any questions regarding this letter, please contact Ms. Jeannine Kausch by telephone (703-347-8920) or email (*kausch.jeannine@epa.gov*).

A stamped copy of the label is enclosed for your records.

Sincerely,

Sheryl K. Reilly, Ph.D., Chief
Microbial Pesticides Branch
Biopesticides and Pollution
Prevention Division (7511P)

Enclosures: (1) BMP 144 (2X) Accepted Label and (2) A-79 Enclosure

BMP 144 (2X)

(Alternate Brand Name: AQUABAC® xt)

Sublabel A: Commercial Use
Sublabel B: Residential Use
Optional Label Claims

ACTIVE INGREDIENT:

Bacillus thuringiensis subspecies *israelensis* Strain BMP 144 solids, spores and insecticidal toxins*	8.00%
OTHER INGREDIENTS:	92.00%
TOTAL:	100.00%

* Equivalent to 1,200 International Toxic Units (ITU/mg) (4.84 Billion ITU / gallon or 1.2 Billion ITU / liter). Note: The percent active ingredient does not indicate product performance and potency measurements are not federally standardized.

EPA Reg. No.: 62637-1
EPA Establishment No.: XXXXX-XX-XX

Manufactured (for) (by):
BECKER MICROBIAL PRODUCTS, INC.
11146 N.W. 69th Place
Parkland, FL 33076

ACCEPTED

JUN 14 2011

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 62637-1

Sublabel A: Commercial Use

BMP 144 (2X)

(Alternate Brand Name: AQUABAC® xt)

- A microbial insecticide effective against mosquitoes, blackflies, fungus gnats, 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* 8.00%

OTHER INGREDIENTS: 92.00%

TOTAL: 100.00%

* Equivalent to 1,200 International Toxic Units (ITU/mg) (4.84 Billion ITU / gallon or 1.2 Billion ITU / liter). 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	• 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 treatment advice.
If on skin or clothing	• 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 and directions for use.

EPA Reg. No.: 62637-1
EPA Establishment No.: XXXXX-XX-XX
Manufactured (for) (by):
BECKER MICROBIAL PRODUCTS, INC.
11146 N.W. 69th Place
Parkland, FL 33076

Net Contents: XX
Batch Code: XX

(Precautionary Statements for uses covered by the Worker Protection Standard)

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS - CAUTION: Harmful if inhaled or absorbed through skin. Avoid breathing spray mist. 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 use.

PERSONAL PROTECTIVE EQUIPMENT (PPE): Applicators and other handlers must wear: long-sleeved shirt and long pants, waterproof gloves, shoes plus socks. Mixers / loaders and applicators 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. Follow manufacturer's instructions for cleaning and maintaining PPE. If there are no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

ENGINEERING CONTROLS: When handlers use closed systems, enclosed cabs or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

IMPORTANT: When reduced PPE is worn because a closed system is being used, handlers must be provided all PPE specified above for "applicators and other handlers" and have such PPE immediately available for use in an emergency, such as a spill or equipment breakdown.

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

ENVIRONMENTAL HAZARDS: Do not contaminate water when disposing of equipment washwaters or rinsate. Do not apply directly to treated, finished drinking water reservoirs or drinking water receptacles when the water is intended for human consumption.

(Precautionary Statements for uses <u>not</u> covered by the Worker Protection Standard)

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS - CAUTION: Harmful if inhaled or absorbed through skin. Avoid breathing spray mist. 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 use.

PERSONAL PROTECTIVE EQUIPMENT (PPE): 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 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. Follow manufacturer's instructions for cleaning and maintaining PPE. If there are no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

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

ENVIRONMENTAL HAZARDS: Do not contaminate water when disposing of equipment washwaters or rinsate. Do not apply directly to treated, finished drinking water reservoirs or drinking water receptacles when the water is intended for human consumption.

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(Directions for Use for uses covered by the Worker Protection Standard)

DIRECTIONS FOR USE

It is a violation of Federal law to apply this product in a manner inconsistent with its labeling. For any requirements specific to your State or Tribe, consult the State or Tribal agency responsible for pesticide regulation. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

Agricultural Use Requirements

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval (REI). The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 4 hours.

PPE required for early entry to treated areas (that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil or water) is coveralls, waterproof gloves and shoes plus socks.

FUNGUS GNATS:

Apply BMP 144 (2X) to ornamentals, vegetables, or herbs growing in greenhouse or nursery areas for control of fungus gnat larvae when larvae are present in the soil or potting mix. Also make applications to areas under benches and greenhouse floors where fungus gnats breed. For light infestations, use 8-16 fl. oz. of BMP 144 (2X)/100 gal. of water (0.5-1.0 tsp. of BMP 144 (2X)/gal. of water); for heavy infestations, use 32-64 fl. oz. of BMP 144 (2X)/100 gal. of water (2-4 tsp. of BMP 144 (2X)/gal. of water). Apply as a drench to sufficiently wet the surface of the growth medium where larvae are present.

Where heavy infestations (adults, eggs, pupae, and larvae) are present, reapply weekly. Routine use of lower rates will keep populations to a minimum.

Even though BMP 144 (2X) is not known to be phytotoxic to plants, it has not been tested against all plant species. Check on several plants before wide-scale usage.

CHEMIGATION

Basic Requirements -

1) Apply this product only through sprinker (including center pivot, lateral move, end tow, side (wheel) roll, traveler, big gun, solid set or hand move), flood (basin), furrow, border or drip (trickle) irrigation systems. Do not apply this product through any other type of irrigation system.
2) Crop injury or lack of effectiveness can result from non-uniform distribution of treated water.

3) If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.
4) 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.
5) 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.

Specific Requirements for Chemigation Systems Connected to Public Water Systems -

1) Public water system means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year.
2) Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, backflow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the flow outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.
3) The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
4) The pesticide injection pipeline must 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.
5) 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.
6) 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.
7) Do not apply when wind speed favors drift beyond the area intended for treatment.

Specific Requirements for Sprinkler Chemigation -

1) 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 backflow.
2) The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
3) 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.
4) The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
5) 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.
6) 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 filled with a system interlock.
7) Do not apply when wind speed favors drift beyond the area intended for treatment.

Specific Requirements for Flood (Basin), Furrow and Border Chemigation -

1) 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 backflow if water flow stops.
2) Systems utilizing a pressurized water and pesticide injection system must meet the following requirements:
   a. 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 backflow.
   b. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
   c. 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.

d. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
e. 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.
f. 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 filled with a system interlock.

Specific Requirements for Drip (Trickle) Chemigation -

1) 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 backflow.
2) The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
3) 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.
4) The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
5) 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.
6) 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 filled with a system interlock.

Application Instructions for All Types of Chemigation -

1) Remove scale, pesticide residues, and other foreign matter from the chemical supply tank and entire injector system. Flush with clean water. Failure to provide a clean tank, void of scale or residues, may cause product to lose effectiveness or strength.
2) Determine the treatment rates as indicated in the directions for use and make proper dilutions. Product can be applied continuously or at any time during the water application.
3) Prepare a solution in the chemical tank by filling the tank with the required water and then adding product as required. The product will immediately go into suspension without any required agitation.

(Directions for Use for uses <u>not</u> covered by the Worker Protection Standard)

DIRECTIONS FOR USE

It is a violation of Federal law to apply this product in a manner inconsistent with its labeling. For any requirements specific to your State or Tribe, consult the State or Tribal agency responsible for pesticide regulation. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. Do not apply this product through any type of irrigation system.

Apply BMP 144 (2X) to any water sites <u>except</u> treated, finished drinking water reservoirs or drinking water receptacles when the water is intended for human consumption.

<u>MOSQUITOES</u>:

Habitat	Rate of BMP 144 (2X) Required for Control*
Flood water, roadside ditches, irrigation ditches, rice fields, pastures, woodland pools, snowmelt pools, standing ponds, standing pools, standing water containing mosquito larvae in fields growing crops such as alfalfa, almonds, asparagus, corn, cotton, dates, grapes, peaches and walnuts	0.25 – 2.0 pts/A
Tidal water, salt marshes, catch basins, and storm water retention areas	0.50 – 2.0 pts/A
Polluted water (sewage lagoons, animal waste lagoons, etc.), water with moderate organic matter, and water with a high concentration of suspended solids	1.0 – 2.0 pts/A

*Use higher application rate in polluted water and when late 3rd and early 4th instar larvae predominate, mosquito populations are high, water is heavily polluted, and/or algae are abundant.

SPECIFIC APPLICATION INSTRUCTIONS:

Apply BMP 144 (2X) in conventional aerial and ground application equipment with sufficient water to provide thorough coverage of the target area. The amount of water needed depends on weather, type of spray equipment and mosquito habitat.

Make ground applications in 1-100 gallons of water per acre in conventional equipment. Use as low as one gallon of water per acre surface area when the target area is open with light vegetative cover.

Make aerial applications diluted or undiluted. For undiluted applications, apply 0.25 to 2.0 pts/A of BMP 144 (2X) through fixed wing aircraft or helicopters equipped with conventional boom and nozzles or rotary mist atomizers. For diluted applications, fill the mix tank or aircraft hopper with the appropriate volume of water and agitate before adding BMP 144 (2X). 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

determines the potential for spray drift. The applicator and the grower are responsible for considering all of these factors when making decisions.

BLACKFLIES:

Concentration Range ..... 0.50 – 75 ppm
(0.50 – 75 mg of BMP 144 (2X) / liter of stream water)

Maintain the concentration in the stream for 15 minutes using ground application equipment or metered release systems.

SPECIFIC APPLICATION INSTRUCTIONS: Apply with conventional ground equipment or metered release systems. Apply to infested sites to achieve larvicidal concentrations. Insecticidal activity will occur within 24 hours. Reapply as needed. Apply BMP 144 (2X) undiluted through appropriate ULV application equipment.

NUISANCE FLIES:

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

APPLICATION DIRECTIONS

Nuisance Fly Habitat	BMP 144 (2X) Use Rates [1]
Trickling filter system of wastewater treatment plants	10 – 50 ppm (10-50 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. can take up to two weeks.

NUISANCE AQUATIC MIDGES:

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

APPLICATION DIRECTIONS

Nuisance Midge Habitat	BMP 144 (2X) Use Rates [1]
Shallow lakes and ponds "Per sewage" oxidation ponds (less than an acre, not more than 6 feet deep)	1.0 gallon / acre (3.80 liters / 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 *Chironomine* midges can take up to two weeks.

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(Storage and Disposal and Warranty for both WPS and non-WPS uses)

STORAGE AND DISPOSAL

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

Pesticide Storage: Store in a cool (59 – 86^0 F; 15 – 30^0 C), dry place.

Pesticide Disposal: Wastes resulting from 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. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration. Do not burn, unless allowed by state and local ordinances. If burned, stay out of smoke.

NOTICE TO USER

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. To the extent consistent with applicable law, user assumes all risks of use, storage or handling not in strict accordance with label instructions.

Sublabel B: Residential Use

BMP 144 (2X)

(Alternate Brand Name: AQUABAC® xt)

ACTIVE INGREDIENT:

Bacillus thuringiensis subspecies *israelensis* Strain BMP 144 solids, spores and insecticidal toxins* 8.00%

OTHER INGREDIENTS: 92.00%

TOTAL: 100.00%

* Equivalent to 1,200 International Toxic Units (ITU/mg) (4.84 Billion ITU / gallon or 1.2 Billion ITU / liter). Note: The percent active ingredient does not indicate product performance and potency measurements are not federally standardized.

KEEP OUT OF REACH OF CHILDREN

CAUTION

See (back panel) (side panel) (insert label) for precautionary statements and directions for use.

EPA Reg. No.: 62637-1
EPA Establishment No.: XXXXX-XX-XX

Net Contents: XX
Batch Code: XX

Manufactured (for) (by):
BECKER MICROBIAL PRODUCTS, INC.
11146 N.W. 69th Place
Parkland, FL 33076

FIRST AID	
If inhaled	• 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 treatment advice.
If on skin or clothing	• 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.	

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS - CAUTION: Harmful if inhaled or absorbed through skin. Avoid breathing spray mist. 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 use.

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

Product Information: BMP 144 (2X) is a highly selective microbial insecticide effective against mosquitoes in a variety of habitats. Apply BMP 144 (2X) to containerized standing water or any private water sites except treated, finished drinking water reservoirs or drinking water receptacles when the water is intended for human consumption or state waters. BMP 144 (2X) can be applied to areas that contain aquatic life, fish and plants. BMP 144 (2X) can be applied to areas used by or in contact with humans, animals, horses, livestock, pets, birds or wildlife.

(Treatment Areas) (For Use In):

Bird baths	Drains	Buckets
Statuary	Stock tanks	Plastic covers
Old tires	Pool covers	Plant trays
Flower pots	Abandoned swimming pools	Planters
Tree holes	Unused swimming pools or spas	Garbage cans
Water gardens (features)	Other water holding receptacles	Wheelbarrows
Ornamental fountains	Standing water	Hollow trees
Urns	Ponds	Flood water
Rain barrels	Lagoons	
Roof gutters	Lakes	

Any location where water collects and remains for periods of time. Other areas where standing water accumulates. (For (list treatment site) and other areas where water accumulates.)

How to Apply:

Directions for ½ fl. oz. (14.7 ml) package size – package is a squeeze bottle with a control tip dripper that dispenses one drop at a time:

- For birdbaths, statuary, planters, rain barrels, fountains, old tires, and buckets.
- Treats the average birdbath (1½ gallons of water).
- One bottle treats three average birdbaths (weekly) for up to two years.

Use BMP 144 (2X) to prevent mosquitoes from breeding in your birdbath or in statuary. (Apply) (Use) 1 drop per birdbath per week. The average birdbath is 3" deep by 12" round and contains 1.5 gallons of water.

Directions for 1 fl. oz. (29 ml) package size – package is a squeeze bottle with a control tip dripper that dispenses one drop at a time:

- Use for (small) ponds up to 500 gallons.
- One bottle treats (a) 250 (gallon pond) (gallons of water) for up to 10 months.
- Treats: 125 (gallon pond) (gallons of water) for up to 20 months.
  250 (gallon pond) (gallons of water) for up to 10 months.
  500 (gallon pond) (gallons of water) for up to 5 months.

Use BMP 144 (2X) to prevent mosquitoes from breeding in stock tanks up to 500 gallons and other areas where standing water accumulates. (Apply) (Use) 6 drops per 100 gallons of water. Treat weekly.

Directions for 2 fl. oz. (59 ml) package size – package is a squeeze bottle with a control tip dripper that dispenses one drop at a time:

- For (insert use site from listed Treatment Areas).
- Treats up to 750 gallons of water (small ponds, 400-750 gallons).
- Use in (small ponds) (and water gardens) up to 750 gallons.
- One bottle treats (a) 400 (gallon pond) (gallons of water) every other week for up to 2 years.
- Treats: 400 (gallon pond) (gallons of water) every other week for up to 2 years.
  500 (gallon pond) (gallons of water) every other week for up to 20 months.
  750 (gallon pond) (gallons of water) every other week for up to 13 months.

Use BMP 144 (2X) to prevent mosquitoes from breeding in (insert use sites from listed Treatment Areas) and other areas where standing water accumulates. (Apply) (Use) 6 drops per 100 gallons of water. Treat every other week.

Directions for 6 fl. oz. (177 ml) package size – package is a plastic bottle with measuring cup:

- For (insert use site from listed Treatment Areas).
- Measuring cup included. (Dosage cup enclosed.)
- Treats up to 5,000 gallons of water (medium (sized) ponds, 2,000-5,000 gallons).
- For (medium ponds) (and water gardens) up to 5,000 gallons.
- One bottle treats (a) 2,000 (gallon pond) (gallons of water) every other week for up to 16 months.
- Treats: 2,000 (gallon pond) (gallons of water) every other week for up to 16 months.
  2,500 (gallon pond) (gallons of water) every other week for up to 13 months.

3,500 (gallon pond) (gallons of water) every other week for up to 9 months.
5,000 (gallon pond) (gallons of water) every other week for up to 6 months.

Use BMP 144 (2X) to prevent mosquitoes from breeding in (insert use sites from listed Treatment Areas) and other areas where standing water accumulates. Use the measuring cup (dosage cup) provided. Add BMP 144 (2X) directly to the water to be treated. (Apply) (Use) BMP 144 (2X) at a rate of 0.085 fl. oz. per 1,000 gallons of water (2.5 ml per 1,000 gallons of water) or 0.169 fl. oz. per 2,000 gallons of water (5 ml per 2,000 gallons of water) every other week. Treat weekly if necessary.

***Directions for 12 fl. oz. (354 ml) package size* – package is a plastic bottle with measuring cup:**

- For (insert use site from listed Treatment Areas).
- Measuring cup included. (Dosage cup enclosed.)
- Treats up to 7,500 gallons of water (large ponds, 2,500 – 7,500 gallons).
- For (large ponds) (water gardens) – up to 7,500 gallons.
- One bottle treats (a) 2,500 (gallon pond) (gallons of water) every other week for up to 2 years.
- Treats: 2,500 (gallon pond) (gallons of water) every other week for up to 2 years.
  3,500 (gallon pond) (gallons of water) every other week for up to 18 months.
  5,000 (gallon pond) (gallons of water) every other week for up to 13 months.
  7,500 (gallon pond) (gallons of water) every other week for up to 8 months.

Use BMP 144 (2X) to prevent mosquitoes from breeding in (insert use sites from listed Treatment Areas) and other areas where standing water accumulates. Use the measuring cup (dosage cup) provided. Add BMP 144 (2X) directly to the water to be treated. (Apply) (Use) BMP 144 (2X) at a rate of 0.085 fl. oz. per 1,000 gallons of water (2.5 ml per 1,000 gallons of water) or 0.169 fl. oz. per 2,000 gallons of water (5 ml per 2,000 gallons of water) every other week. Treat weekly if necessary.

***Directions for 16 fl. oz. (473 ml) package size* – package is a plastic bottle with measuring cup:**

- For (insert use site from listed Treatment Areas).
- Measuring cup included. (Dosage cup enclosed.)
- Treats up to 10,000 gallons of water (extra-large ponds, 5,000 – 10,000 gallons).
- For (extra-large ponds) (water gardens) – up to 10,000 gallons.
- One bottle treats a 5,000 (gallon pond) (gallons of water) every other week for up to 17 months.
- Treats: 5,000 (gallon pond) (gallons of water) every other week for up to 17 months.
  7,500 (gallon pond) (gallons of water) every other week for up to 11 months.
  10,000 (gallon pond) (gallons of water) every other week for up to 8 months.

Use BMP 144 (2X) to prevent mosquitoes from breeding in (insert use sites from listed Treatment Areas) and other areas where standing water accumulates. Use the measuring cup (dosage cup) provided. Add BMP 144 (2X) directly to the water to be treated. (Apply) (Use) BMP 144 (2X) at a rate of 0.085 fl. oz. per 1,000 gallons of water (2.5 ml per 1,000 gallons of water) or 0.169 fl. oz. per 2,000 gallons of water (5 ml per 2,000 gallons of water) every other

week. Treat weekly if necessary.

STORAGE AND DISPOSAL

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

Pesticide Storage: Store in a cool, dry place.

Pesticide Disposal and Container Handling: Nonrefillable container. Do not reuse or refill this container. **If empty:** Place in trash or offer for recycling if available. **If partly filled:** Call your local solid waste agency or (800) 858-7378 (National Pesticide Information Center) for disposal instructions. Never place unused product down any indoor or outdoor drain.

NOTICE TO USER

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. To the extent consistent with applicable law, user assumes all risks of use, storage or handling not in strict accordance with label instructions.

OPTIONAL LABEL CLAIMS

- (NOTICE. Not for Sale, Not for Use in New York) (Optional statement for Sublabel A: Commercial Uses only.)
- Biolarvicide
- Biological Larvicide Aqueous Suspension.
- Biological Mosquito Control.
- A microbial insecticide effective against mosquitoes in a variety of habitats.
- Easy to use.
- (Use) (Apply) in standing water (where mosquitoes may breed); see label for specific use sites. (Claim for Sublabel A – Commercial Use).
- (Use) (Apply) in containerized or private standing water (where mosquitoes may breed); see label for specific use sites. (Claim for Sublabel B – Residential Use).
- Effective year-round when mosquito larvae are present.
- Controls mosquitoes.
- Controls mosquito larvae (in standing water) (within 24 hours).
- Quickly controls mosquito larvae in (within) 24 hours.
- When ingested by mosquito larvae, (product name) prevents mosquitoes from becoming (developing into) breeding, biting adults.
- When ingested by mosquito larvae, (product name) prevents the development of adults.
- When ingested by mosquito larvae, (product name) prevents emergence of breeding, biting adults.
- Kills mosquito larvae upon ingestion of Bt toxins.
- Kills mosquito larvae upon ingestion by destroying the cellular lining of the insect digestive tract.
- Kills mosquitoes (mosquito larvae) before they hatch, including those which may (can) transmit (carry) (West Nile Virus) (and encephalitis) (and equine encephalitis).
- Kills developing mosquitoes (mosquito larvae) before they become breeding, biting adults,

including those which may (can) transmit (carry) (West Nile Virus) (and encephalitis) (and equine encephalitis) (and heartworm disease to dogs and cats).

- Kills mosquitoes (mosquito larvae) before they hatch, including those which may (can) transmit heartworm disease to dogs and cats.