

AllPro®

Sustain MBG Biological Larvicide



ACTIVE INGREDIENT:

Bacillus thuringiensis subspecies *israelensis*
Strain BMP 144 solids, spores and insecticidal toxins*5.71%

OTHER INGREDIENTS:.....94.29%

TOTAL:.....100.0%

*Potency: Equivalent to 400 International Toxic Units (ITU) per milligram of product or 0.182 billion ITU per pound 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

Habitat	Application Rate Required for Mosquito Control*
Pools, ponds, flood water, pastures, ditches, rice fields, brackish water, woodland pools, grassy swales, lakes, ponds and other natural or man-made sites where mosquitoes may breed.	5-10 pounds per acre
Catch basins, tidal water, salt marshes, storm water detention areas, mangrove swamps, tires and tire pile areas of moderate pollution or organic content.	10-20 pounds per acre

*Allow 24 hours for control.

SPECIFIC APPLICATION INSTRUCTIONS:

Apply 5 – 20 pounds of AllPro Sustain MBG per acre with conventional aircraft or ground equipment. Use higher application rates in heavily polluted water, when mosquito populations are high, when larvae are nearly grown or in fourth instar, and/or when aquatic or covering vegetation is dense. Most treatments require not more than 7.5 pounds of AllPro Sustain MBG per acre. Apply only against mosquito larvae not pupae.

PRE-FLOOD APPLICATION: AllPro Sustain MBG may be applied pre-flood (pre-hatch) to breeding sites that flood intermittently. Monitor treated areas periodically for the presence of 3rd and 4th instar larvae.

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 treatment coordinator are responsible for considering all these factors when making decisions.

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 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.
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.

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. Causes moderate eye irritation. Avoid breathing dust. Avoid contact with skin, eyes or clothing. Remove and wash contaminated clothing before reuse. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

Mixers/loaders and applicators not in enclosed cabs or aircraft must wear waterproof gloves and 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.

ENVIRONMENTAL HAZARDS

Do not contaminate water when disposing of equipment washwater 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 use this product in a manner inconsistent with its labeling.

AllPro Sustain MBG is a highly selective microbial insecticide effective against mosquitoes in a variety of habitats. Apply AllPro Sustain MBG to any water sites, except treated, finished drinking water reservoirs or drinking water receptacles when the water is intended for human consumption.

AllPro Sustain MBG can be applied to areas that contain aquatic life, fish and plants.

AllPro Sustain MBG can be applied to areas used by or in contact with humans, animals, horses, livestock, pets, birds or wildlife.

STORAGE AND DISPOSAL

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

Pesticide Storage: Store in a cool, dry place.

Pesticide Disposal: Wastes resulting from the use of this product may 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 or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

READ ENTIRE LABEL BEFORE USING

Read the entire Directions for Use and Conditions before using this product. By using this product, User and Buyer accept the following Conditions.

CONDITIONS: The Directions for Use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Value Garden Supply. All such risks shall be assumed by the User or Buyer.

EPA Reg. No 769-992
EPA Est. No. 44616-MO-1

RM# 10069-3/15

Net Contents: 40 pounds

Distributed by:
Value Garden Supply
P.O. Box 585, St. Joseph, MO 64502
(248) 773-7460



SAFETY DATA SHEET



SECTION 1: IDENTIFICATION

PRODUCT NAME: AllPro Sustain MBG
EPA REG. NUMBER: 769-992

MANUFACTURER: Value Garden Supply
ADDRESS: P.O. Box 585, St. Joseph, MO 64502
MANUFACTURER PHONE: (888) 603-1008
MANUFACTURER FAX PHONE: (952) 884-6149
EMERGENCY PHONE: (800) 858-7378

PRODUCT USE: Mosquito Larvicide

SECTION 2: HAZARD IDENTIFICATION

SIGNAL WORD: WARNING

HAZARD STATEMENTS: Harmful if swallowed. Harmful in contact with skin. Harmful if inhaled.

SYMBOLS: Exclamation Mark.



PRECAUTIONARY STATEMENTS:

PREVENTION: Wash hands thoroughly after handling. Avoid breathing mist and spray. Use only outdoors in a well-ventilated area. Wear protective gloves and clothes, eye and face protection. Do not eat, drink or smoke when using this product.

RESPONSE: If swallowed: Immediately call a poison center. Rinse mouth. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center, if you feel unwell. If on skin: Wash with plenty of water. Take off immediately all contaminated clothing and wash it before reuse.

STORAGE: Store locked up.

DISPOSAL: Dispose of contents at approved chemical waste disposal facility. Dispose of empty containers after triple rinsing, or according to label directions, in regular waste (see section 13 for specific instructions).

2.5% of this mixture consists of ingredients of unknown acute toxicity.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<u>INGREDIENTS*:</u>	<u>CAS NO.</u>	<u>% WT</u>
Bacillus thuringiensis	N/A	5.71%
subsp. Isrealensis		

A trade secret under 29 CFR 1200(i) is claimed for the remaining ingredients of this product.

* All ingredients in quantities > 1.0 % (> 0.1 % for carcinogens or teratogens) that are **potentially** hazardous per OSHA definitions

SECTION 4: FIRST AID MEASURES

EYES: Hold eyes open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after 5 minutes, then continue rinsing eyes. Call a poison control center or doctor for treatment advice.

SKIN: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.

INGESTION: Immediately call a Poison Control Center or doctor. Do not induce vomiting unless told to by a poison control center or doctor. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person.

INHALATION: 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.

IMPORTANT: Have this product label with you when calling a poison control center or doctor or when going for treatment. You may also call 1-800-858-7378 for emergency medical treatment advice.

SECTION 5: FIRE-FIGHTING MEASURES

FLASH POINT: > 200°F

AUTOIGNITION TEMPERATURE: N/A

EXTINGUISHING MEDIA: Carbon dioxide, foam, dry chemical, or ware fog

SPECIAL FIRE FIGHTING PROCEDURES: Wear full protective clothing and self-contained breathing apparatus. Evacuate non-essential personnel from the area to prevent exposure to fire, smoke, fumes, or products of combustion. Prevent use of contaminated buildings, area and equipment until decontaminated. Smother to exclude air.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None.



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NFPA HAZARD CLASSIFICATION: HEALTH FIRE REACTIVITY SPECIAL
 1 0 0 N/A

NFPA HAZARD RATING CODES: INSIGNIFICANT SLIGHT MODERATE HIGH EXTREME
 0 1 2 3 4

SPECIAL CODES: OX = oxidiser, SA = simple asphyxiant, W = reacts with water

SECTION 6: ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED, SMALL SPILLS AND/OR LARGE SPILLS: Collect material and place in a container for disposal. Dispose of material in accordance with federal, state, and local regulations.

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE: Do not contaminate water, food or feed by storage. Store in a cool, dry place.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

INGREDIENTS*:	CAS NO.	% WT	OSHA TWA	OSHA STEL	ACGIH TWA	ACGIH STEL	OTHER†
Bacillus thuringiensis subsp. <i>Isrealensis</i>	N/A	5.71%	NE	NE	NE	NE	NE

* All ingredients in quantities > 1.0 % (> 0.1 % for carcinogens or teratogens) that are potentially hazardous per OSHA definitions
 † AIHA WEEL 8 hour TWA or NIOSH REL 8 hour TWA
 N/A = not applicable NE = not established

ENGINEERING CONTROLS: NE

RESPIRATORY PROTECTION: dust/mist filtering respirator meeting NIOSH standards of at least N-95, R-95 or P-95.

EYE PROTECTION: Safety glasses, goggles, or face shield.

SKIN PROTECTION: Long-sleeve shirt and long pants; shoes plus socks; waterproof gloves for all handlers, mixers/loaders, persons cleaning equipment, and persons exposed to the product. Follow 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.

WORK HYGIENIC PRACTICES: User should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. User 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.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Granular solid

ODOR: NE

ODOR THRESHOLD: N/A

PHYSICAL STATE: Solid

BOILING POINT: NE

MELTING POINT: NE

FLAMMABILITY: N/A

VISCOCITY (cSt at 40°C): NE

WATER SOLUBILITY: N/A

DECOMPOSITION TEMPERATURE: N/A

EVAPORATION RATE (BuAc = 1): NE

VAPOR PRESSURE (mmHg at 20°C): N/A

VAPOR DENSITY (AIR = 1): N/A

pH: N/A

SPECIFIC GRAVITY: 0.5

DENSITY: 35 lbs./cu.ft.

FLASH POINT: N/A

AUTO IGNITION: N/A

LEL/UEL: N/A

OTHER SOLUBILITIES: N/A

PARTITION COEFFICIENT (n-octanol/water): N/A

% VOLATILE BY VOLUME: NE

SECTION 10: STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: NE.

INCOMPATIBLE MATERIALS: Do not expose to solutions with high alkalinity.

SECTION 11: TOXICOLOGICAL INFORMATION

ACUTE ORAL EFFECTS: NE. The acute dermal LD50 in both male and female rats was greater than 5000-mg/kg body weight for the technical powder used in the formulation, indicating that the material is non-toxic by ingestion in single doses.

ACUTE DERMAL EFFECTS: NE. The acute dermal LD50 in both male and female rabbits was found to be greater than 2000 mg/kg body weight for the technical powder used in the formulation, indicating that the material is no more than slightly toxic by a single skin application.

EYE IRRITATION: The product is considered to be non-irritating to rabbit eye and/or skin.

DERMAL SENSITIZATION: Appropriate skin sensitization studies in guinea pigs has indicated that the product is a non-sensitizing agent.



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INHALATION TOXICITY: NE. The LC50 in four-hour inhalation studies in rats was 25.1 mg/L (actual) of air, the maximum attainable concentration. Repeated exposure to high concentrations of microbial proteins can cause allergic sensitization.

CORROSIVENESS: Non-corrosive.

CARCINOGENICITY: NTP – NL; IARC – NL; OSHA – NL; ACGIH - NL

TERATOGENICITY (birth defects): NE

REPRODUCTIVE TOXICITY: NE

MUTAGENICITY (genetic effects): NE

SECTION 12: ECOLOGICAL INFORMATION

ENVIRONMENTAL HAZARDS

Do not contaminate water when disposing of equipment wash waters. Do not apply to treated, finished drinking water reservoirs or drinking water receptacles.

SECTION 13: DISPOSAL CONSIDERATIONS

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

Container disposal: 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 or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

SECTION 14: TRANSPORT INFORMATION

***DOT SHIPPING NAME:** N/A

* U.S. Department of Transportation

IMO: N/A

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS: This chemical is a pesticide product registered by the United States Environmental Protections Agency and is subject to certain labeling requirements under federal pesticide law. The requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

Caution. Harmful if inhaled or absorbed through skin. Avoid contact with skin or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. Mixers/loaders and applicators not in enclosed cabs or aircraft must wear waterproof gloves and a dust/mist filtering respirator meeting NIOSH standards of at least N-95, R-905 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. Users should remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

SARA TITLE III: Section 311/312: Acute Health Hazard – Yes; Chronic Health Hazard – Yes; Fire Hazard – No; Sudden release of pressure hazard – No; Reactivity hazard – No; Section 313 chemicals: No.

CERCLA: N/A

INDIVIDUAL STATES: N/A

SECTION 16: OTHER INFORMATION

This information is provided in good faith, but without express or implied warranty. For additional information, refer to the current American Conference of Governmental Industrial Hygienists (ACGIH) documentation for Threshold Limit Values (TLVs) for individual components, current American Industrial Hygiene Association (AIHA) documentation for Workplace Environmental Exposure Levels (WEELs), and the current U.S. DOT Emergency Response Guidebook.

