



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

January 10, 2020

Jayne Walz
Senior Regulatory Manager
Valent BioSciences LLC
870 Technology Way
Libertyville, IL 60048

Subject: Pesticide Registration Improvement Act (PRIA) Labeling Amendment – Adding water soluble packaging (sublabel B) and adding three alternate brand names “Metalarv XRP Mosquito Growth Regulator Extended Release Pouch”; “Metalarv XR-WSP Mosquito Growth Regulator Extended Release” and “Metalarv WSP Mosquito Growth Regulator” to the products registration.
Product Name: MetaLarv S-PT Mosquito Growth Regulator Spherical Pellet
EPA Registration Number: 73049-475
Application Date: January 07, 2019
OPP Decision Number: 547672

Dear Ms. Walz:

The amended labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable.

The alternate brand names “Metalarv XRP Mosquito Growth Regulator Extended Release Pouch”; “Metalarv XR-WSP Mosquito Growth Regulator Extended Release” and “Metalarv WSP Mosquito Growth Regulator” have been added to the registration, and our records have been updated accordingly. This approval does not affect any terms or conditions that were previously imposed on this registration. You continue to be subject to existing terms or conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one (1) copy of the final printed labeling before you release this product for shipment with the new labeling. In accordance with 40 CFR § 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. “To distribute or sell” is defined under FIFRA section 2(gg) and its implementing regulation at 40 § CFR 152.3.

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Should you wish to add/retain a reference to your company's website on your label, then please be aware that the website becomes labeling under FIFRA and is subject to review by the U.S. Environmental Protection Agency (EPA). If the website is false or misleading, the product will be considered to be misbranded and sale or distribution of the product is unlawful under FIFRA section 12(a)(1)(E). 40 CFR § 156.10(a)(5) lists examples of statements the EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the EPA find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA-approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance Assurance.

Your release for shipment of this product constitutes acceptance of these terms. If these terms are not complied with, this registration will be subject to cancellation in accordance with FIFRA section 6.

If you have any questions, please contact Menyon Adams by phone at (703) 347-8496 or via email at adams.menyon@epa.gov.

Sincerely,

A handwritten signature in blue ink that reads "Andrew C. Bryceland". The signature is fluid and cursive, with the first name being the most prominent.

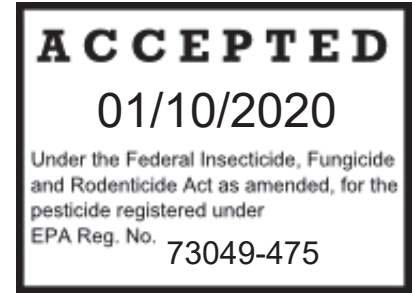
Andrew Bryceland, Team Leader
Biochemical Pesticides Branch
Biopesticides and Pollution
Prevention Division (7511P)
Office of Pesticide Programs

Enclosure

[Text in brackets [] indicates optional language or language intended for explanatory purposes to facilitate label review. Thus, this language will often not appear on final printed labeling. Also, this page is present (page 1) to delineate sublabels and will not appear on the final printed labeling.]

MASTER LABEL

MetaLarv S-PT
Mosquito Growth Regulator
Spherical Pellet



[Alternate Brand Names: MetaLarv PT-S, VBC-60215, S-Methoprene Pellet 60215, MetaLarv XRP Mosquito Growth Regulator Extended Release Pouch, MetaLarv XR-WSP Mosquito Growth Regulator Extended Release Water Soluble Pouch, MetaLarv WSP-XR Mosquito Growth Regulator Extended Release, MetaLarv WSP Mosquito Growth Regulator]

SUB-LABEL A: Metalarv S-PT Products NOT in Water Soluble Packaging
SUB-LABEL B: Metalarv S-PT Products in Water Soluble Packaging

ACTIVE INGREDIENT:	
<i>(S)</i> -Methoprene (CAS # 65733-16-6).....	4.25%
OTHER INGREDIENTS.....	95.75%
TOTAL.....	100.00%

KEEP OUT OF REACH OF CHILDREN
CAUTION

Produced for:
Valent BioSciences LLC
870 Technology Way
Libertyville, IL 60048
1-800-323-9597

EPA Reg. No. 73049-475
EPA Est. 33762-IA-001

Lot No.

Net Weight:

[SUB-LABEL A: Metalarv S-PT Products NOT in Water Soluble Packaging]

[Alternate Brand Names: MetaLarv PT-S, VBC-60215, S-Methoprene Pellet 60215]

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Mosquito Growth Regulator
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[See Next Panel for additional precautionary statements.]

FIRST AID	
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 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.
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact (PROSAR service) 1-877-315-9819 (24 hours) for emergency medical treatment and or transport emergency information. For all other information, call Valent BioSciences 1-800-323-9597.	

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Causes moderate eye irritation. Harmful if absorbed through skin. Avoid contact with eyes, skin, 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.

Environmental Hazards

Do not contaminate water when cleaning equipment or disposing of equipment washwaters or rinsate.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

INTRODUCTION

MetaLarv S-PT Mosquito Growth Regulator Spherical Pellet (hereafter referred to as Metalarv S-PT) is formulated to release S-Methoprene insect growth regulator for up to 42 days. MetaLarv S-PT prevents the emergence of *Aedes*, *Ochlerotatus*, and *Psorophora* spp., (adult floodwater mosquitoes) and *Anopheles*, *Culex*, *Culiseta*, *Coquillettidia*, and *Mansonia* spp (adult standing water mosquitoes).

NOTE: MetaLarv S-PT prevents development of mosquito larvae into adults. MetaLarv S-PT has no effect on mosquitoes that have reached the pupal or adult stage prior to treatment.

APPLICATION DIRECTIONS

Apply MetaLarv S-PT to mosquito breeding sites at any time during the mosquito season. One application will control adult emergence for up to 42 days. Continue treatment through the last brood of the season. Treated larvae continue to develop normally to the pupal stage where they die.

Apply MetaLarv S-PT to breeding sites that will be intentionally flooded and to sites that will naturally flood, up to 28 days prior to flooding. Periods of greater than 28 days between application and flooding will provide shorter residual control and will need reapplication based on local program threshold requirements.

Apply the pellets evenly over the entire habitat that is flooded and/or expected to be flooded to maintain continuous control as the site alternately floods and dries. Alternate wetting and drying will not reduce pellet effectiveness.

MetaLarv S-PT is applied to areas that contain fish, other aquatic life, and plants. MetaLarv S-PT is applied to areas used by or in contact with humans, pets, horses, livestock, birds, or wildlife.

APPLICATION SITES AND RATES

Use lower application rates when water is shallow, vegetation and/or pollution are minimal, and mosquito populations are low. Use higher rates when water is deep (> 2 ft), vegetation, pollution, and/or organic debris or water flow are high, and mosquito populations are high. Application of MetaLarv S-PT to sites subject to high organic pollution and water flow or exchange will diminish the product's effectiveness.

Use Sites	Rate Range (lbs/acre)
Floodwater sites	
Pastures, range-land, meadows, freshwater swamps and marshes, salt and tidal marshes, cattail marshes, woodland pools, flood-plains, grassy swales, bogs, tires, and artificial water-holding containers	2.5 - 5
Dredge spoil sites, waste treatment and settling ponds, Ditches, natural and manmade hollows or sinkhole (that retain water).	5 - 10
Permanent water sites	
Ornamental ponds and fountains, fish ponds, cattail marshes, water hyacinth beds, flooded crypts, transformer vaults, abandoned swimming pools, treeholes, manmade craters and pits, and artificial and natural water-holding containers	2.5 - 5
Storm drains, catch basins, roadside ditches, cesspools, septic tanks, waste settling ponds, vegetation-choked phosphate pits	5 - 10
Agricultural / crop sites	
Rice fields, pastures, orchards (including citrus groves, peaches, almonds, dates, walnuts), asparagus fields, corn fields, cotton fields, sugar cane fields and vineyards.	2.5 - 10

MetaLarv S-PT must be broadcast applied as a dry product. Applications are made using fixed wing aircraft, helicopter, boat, tractor mounted spreader, handheld or backpack spreader, or other means capable of applying rates from 2.5-10 lb/acre.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. Do not contaminate water when disposing of equipment washwaters.

PESTICIDE STORAGE: Store any unused product in original container. Ensure that container is tightly closed then 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. Offer for recycling, if available. Completely empty bag into application equipment. Then 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.

Returnable/Refillable Containers: Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal empty the remaining contents into the application equipment or mix tank. Fill the container about 10% with water. Agitate vigorously or recirculate water with a pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat the rinsing procedure two more times. Then offer for recycling if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved state and local authorities

WARRANTY STATEMENT

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

[SUB-LABEL B: Metalarv S-PT Products in Water Soluble Packaging]

[Alternate Brand Names: MetaLarv PT-S, VBC-60215, S-Methoprene Pellet 60215, MetaLarv XRP Mosquito Growth Regulator Extended Release Pouch, MetaLarv XR-WSP Mosquito Growth Regulator Extended Release, MetaLarv WSP Mosquito Growth Regulator]

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Environmental Hazards

Do not contaminate water when cleaning equipment or disposing of equipment washwaters or rinsate.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

INTRODUCTION

MetaLarv S-PT Mosquito Growth Regulator Spherical Pellet (hereafter referred to as Metalarv S-PT) are water soluble pouches containing 18 grams each of MetaLarv S-PT, an insect growth regulator for use against mosquito larvae. Metalarv S-PT is formulated to release S-methoprene over-time, from a spherical pellet carrier. NOTE: MetaLarv S-PT prevents development of mosquito larvae into adults. MetaLarv S-PT has no effect on mosquitoes that have reached the pupal or adult stage prior to treatment.

APPLICATION DIRECTIONS

Place Metalarv S-PT at or before the beginning of the mosquito season. Metalarv S-PT can be applied prior to flooding when sites are dry. Under normal conditions, one application will last up to 105 days in drainage systems and up to 42 days in surface waters. Alternate wetting and drying will not reduce their effectiveness.

MetaLarv S-PT is applied to areas that contain fish, other aquatic life, and plants. MetaLarv S-PT is applied to areas used by or in contact with humans, pets, horses, livestock, birds, or wildlife.

APPLICATION SITES AND RATES

Mosquito Habitat

Suggested Range Rate*

Drainage/Drainage Systems¹:

Catch basins and storm drains.

1 pouch/100 sq. ft.

Treatment Areas (For Use In)²:

Ponds

Flood water

Abandoned swimming pools

Lagoons

Standing water

Unused swimming pools or spas

Hollow trees

Storm water

Flooded basements

and tree holes	retention areas	Pool covers
Urns	Birdbaths	Gutters and drains
Rain barrels	Fountains	Wheelbarrows
Livestock watering troughs/ ponds/tanks	Flowerpots and planters	Garbage cans and covers
Irrigation ditches	Snowmelt pools	Discarded tires
Roadside ditches	Septic tanks	Water gardens
Impounded wastewater associated with fruit and vegetable processing		
Retention, detention and seepage ponds		
Animal waste lagoons		

¹Treat on basis of surface area of potential mosquito breeding sites by placing one (1) Metalaryv S=PT for up to 100 square feet of treatment area. Re-apply as needed (up to 105 days under typical environmental conditions).

²Treat on basis of surface area of potential mosquito breeding sites by placing one (1) Metalaryv S-PT for 100 square feet of treatment area. Re-apply as needed (up to 42 days under typical environmental conditions).

Apply directly to the larval source by placement.

Storage and Disposal

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

PESTICIDE STORAGE

Store in a cool, dry place.

PESTICIDE DISPOSAL

To avoid wastes, use all material in this container by application according to label directions. If wastes cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program (often such programs are run by state or local governments or by industry).

CONTAINER HANDLING

Offer foil pouch for recycling if available or, dispose of empty pouch in the trash as long as the water soluble pouch is unbroken.

WARRANTY STATEMENT

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