



MR ENTERPRISE





ABOUT US

M R Enterprise is established in 2007 and engaged in a wide range of Business, Focused on. vector management & agrochemical, located in Dhaka, Bangladesh-delivering science – based solution in Integrated Mosquito Management (IMM) & Agricultural sector. We deal pesticide (Public Health Pesticide, herbicides, acaricides, insecticides, fungicides), fertilizer (micronutrients), plant growth regulator, seed, agricultural equipment (spray machines, fogger machines, ULV machines,) etc. together with our sister concerns, M/S Take Care, M/S Rain Agrovate Limited, M/S Invent Pest Control & CS And Agri Invent Limited.

We are proud to introduce quality products to our customers. We want to improve public health through science-based, cost-effective, and innovative solutions tailored to local needs. The strategy of the company is focused on adding value to our customers by solving their process problems in an innovative way. We passionately innovate what is essential to human progress by providing sustainable solutions to our customers. We do that in many ways, for example improving productivity by minimizing production costs through innovative research and introducing new technology.

Our vision is to be a trusted partner in vector management and agricultural development, contributing to the economic growth and environmental sustainability of Bangladesh. We are dedicated to improving life and the environment through research and development of our products. Our team is young, energetic, ambitious, experienced and professional.

OUR SISTER CONCERN COMPANY



Invent Pest Control & CS



Rain Agrovate Limited



Take Care



Agri Invent Limited

**Office: Suite - 415, Lion Shopping Complex 126/A/B, Old Airport Road
Farmgate Tejgaon, Dhaka-1215, Bangladesh**



Public Awareness Of Mosquito Repellent.

Mosquitoes are disease-causing vectors that are major causative agents of human many viral diseases like Dengue, Japanese encephalitis, Zika, West Nile virus and other Filariasis, Malaria etc. According to the World Health Organization (WHO) report, Bangladesh, India, Indonesia and Nigeria are most affected areas. At present, conventional larvicide and adulticide (Malathion, Deltamethrin, Lambda-cyhalothrin, Bti, Novaluron, Malaria oil etc.) are using to control mosquito but none of those chemicals can control mosquitoes to a satisfactory level or public is not satisfied to the process.

In fact, public awareness is very important to control the mosquitoes. Everyone should regularly clean their yards, flower pots, and any waterbodies accumulates in their homes and premises. City Corporations and other organizations who are engaged in waterlogging management require to regular waterlogging management monitoring. Public awareness and regular water waterlogging monitoring management plays a vital role in mosquito control.

Aedes Mosquitoes Usually Lay Eggs In Staglant Water Found in The Following Palces





ডেঙ্গু প্রতিরোধে আমাদের সকলকে এগিয়ে আসতে হবে

ডেঙ্গু প্রতিরোধে আমাদের করণীয়ঃ

- ১/ এডিস মশা ডেঙ্গুর একমাত্র বাহক তাই এডিস মশা দমনে ডেঙ্গু জ্বর প্রতিরোধের প্রধান উপায়।
- ২/ এডিস মশা দমনে মশার প্রজনন ক্ষেত্র অর্থ্যাৎ আমাদের চারপাশে জমে থাকা পানির উৎস ধ্বংস করতে হবে।
- ৩/ আমাদের চার পাশে পড়ে থাকা গৃহস্থালী জিনিশ পত্র যেমন বালতি, পরিত্যক্ত ড্রাম ও টায়ার, ডাবের খোসা, , প্লাস্টিক বা মাটির পরিত্যক্ত পাত্র, ফুলের টবে জমে থাকা পানি, ফ্রীজ এবং এসির নিচে জমে থাকা পানি, ও বাসার ছাদে জমে থাকা পানি, নির্মানাধীন বাড়ির বেজমেন্টে জমে থাকা পানি ময়লায় আটকে থাকা পানি এই সকল স্থানে তিন দিনের অতিরিক্ত জমে থাকা স্থির /পরিষ্কার পানিতে এডিস মশা বংশ বিস্তার করে। অতএব উক্ত স্থান গুলোতে আমাদের বিশেষ ভাবে লক্ষ রাখতে হবে যেন সেখানে কোন ভাবেই পানি জমে না থাকে।
- ৪/ সময় মত চিকিৎসায় ডেঙ্গু জ্বর ভালো হয়। ডেঙ্গুতে আতঙ্ক নয় বরং এডিস মশার আবাস স্থল ধ্বংসেই ডেঙ্গু প্রতিরোধ সম্ভব।



Moreover, integrated application of synthetic larvicide and adulticide is necessary when mosquito goes outbreak.

We have bunches of synthetic Public Health Pesticide (Larvicide and Adulticide) to control mosquito.

Our Adulticide to control adult/flying mosquito:

In our product line a new, the most effective, target oriented adulticide, a combination of Three synthetic pyrethroids Dimefluthrin, Meperfluthrin and Esbiothrin/S-bioallethrin has been introduced consciously that should give the desired result as well as being safer for the environment. Those combined product use to control for adult/flying mosquito through fogging in the early evening.

Brand name : M R liquid Mosquitocide

Chemical name : Dimefluthrin 0.30% + Esbiothrin 0.10% + Meperfluthrin 0.20%

Registration No. : PHP-1240

Application dose : 5ml (100)3meter or 500 ml/ha.

Application method: Thermal Fogging machine.



DIMEFLUTHRIN

CAS Number: 271241-14-6

Appearance: Pale yellow liquid

Density: 1.255 g/cm³ (25 °C)

Melting point: NA

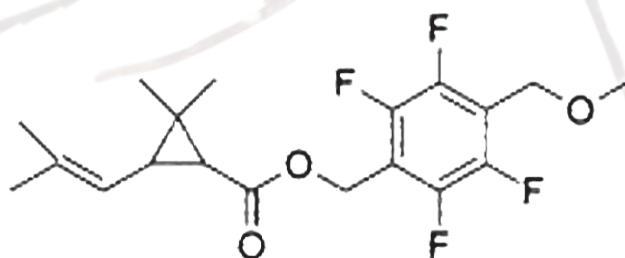
Boiling point: 352.4 °C

Vapour pressure: 3.84×10⁻⁵ mmHg at 25 °C

Solubility in water: 0.0292 mg/L

Molecular Formula C₁₉H₂₂F₄O₃

Structural formula:



Uses: Dimefluthrin is a pyrethroid pesticide with a broad spectrum, acting by contact, inhalation and repellent by its strong knockdown and killed capability. It is effective against a broad of pest, including mosquitoes, flies, cockroaches and whitefly, etc.

Dimefluthrin can be used for the control of insects in indoor, non-food use (residences homes, non-food areas of restaurants, schools, warehouses, hotels).

Type and Method of Application: fogging, pesticide mats, coils and liquid emana-tors. It is also widely used in solutions designed for aerosols, and in the formulation of liquid pesticides.



MEPERFLUTHRIN

CAS No. 915288-13-0

Chemical Name: Meperfluthrin

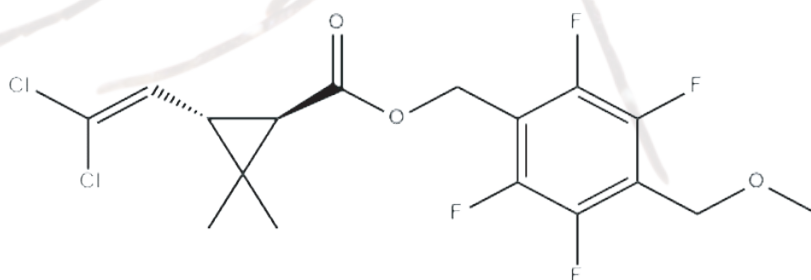
Synonyms Meperfluthrin; 2,3,5,6-Tetrafluoro-4-(methoxymethyl)benzyl
(1R,3S)-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate

CB Number: CB82622792

Molecular Formula: C₁₇H₁₆Cl₂F₄O₃

Formula Weight: 415.2067528

Structural formula:



Meperfluthrin is a highly effective and easy-to-use pyrethroid pesticide with low toxicity. It is widely used in electric mosquito coils. It is also used as fogging, pesticide mats, coils and liquid emanators. Due to the nature of optically active isomer, meperfluthrin shows high insecticidal activities with less dosage, and its toxicity to non-target organisms has been further reduced. Meperfluthrin has increasingly been used to produce liquid mosquito repellents because of its low toxicity, high efficiency.



ESBIOTHRIN

CAS Number: CAS:84030-86-4

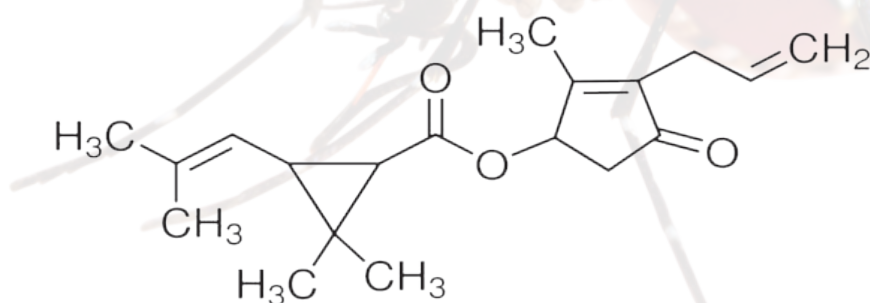
Molecular Weight: 302.41

Synonym(s):

3-Allyl-2-methyl-4-oxo-2-cyclopentenyl chrysanthemate

Empirical Formula (Hill Notation): C₁₉H₂₆O₃

Structural formula:



Esbiothrin is a potent contact insecticide which produces a rapid knockdown against household pests (housefly, mosquito, lice, roach) and parasites outside dog and cat, or formulated into spray agent against crawlers and fly insects on farm, milk houses and stall. It has appropriate vapor pressure, ideal for mosquito coil, electric thermal mat, thermal fogging and aerosol.



In addition, we have several other adulticides and larvicides for mosquito control. A description of these is provided below.

Brand name : Cyperfog 25EC

Chemical name : Cypermethrin 25%

Registration No. : PHP-1358

Application dose : Adult Mosquito: 0.05 ml/m², Mosquito Larvae: 100ml/hectre.

Application method: Thermal Fogging machine/ULV machine, Spray machine.

Unique Position : Cyperfog 25 EC (Emulsifiable Concentrate) is a broad-spectrum insecticide known for its effectiveness against a wide range of pests, particularly in vector management. Its dual action as a contact and stomach poison, its rapid knockdown effect on insects, and its residual activity that provides long-lasting protection. It's also versatile, used in both agricultural and public health contexts, and is available in various formulations and packaging sizes.

Brand name : Deltaflow 1.25 ULV

Chemical name : Deltamethrin 1.25%

Registration No. : PHP-1662

Application dose : 2 litre/hectre(ULV machine), 4 litre/hectre (Thermal Fogging machine).

Application method: ULV Machine: Mix 05 ml Deltaflow 1.25 ULV with one litre of Diesel/ Kerosene /Deodorized-Kerosene and apply.

Thermal Fogging machine: Mix 10 ml Deltaflow 1.25 ULV with one litres of Diesel/ Kerosene /Deodorized-Kerosene and apply.



Unique Position : Deltaflow 1.25% ULV (Ultra Low Volume) is a specific formulation of the insecticide deltamethrin, designed for effective pest control, particularly mosquitoes, using minimal insecticide volume. Its unique position lies in its suitability for both indoor and outdoor applications, its quick knockdown effect, and its residual action, making it a versatile choice for public health and agricultural pest management.

Brand name : Deltafog 2.5 EC

Chemical name : Deltamethrin 2.50%

Registration No. : PHP-1096

Application dose : Adult Mosquito: 70ml/hectre (Fogger machine),
Mosquito larvae: 100ml/hectre (Spray machine).

Application method : Fogger machine: Mix 35 ml Deltafog 2.5EC with 1 litre of water/ Diesel/ Deodorized-Kerosene and apply.

Spray machine: Mix 2 ml Deltafog 2.5 EC with 10 litres of water and apply in 2,153 square foot area.

Unique Position : Deltafog 2.5 EC, an emulsifiable concentrate insecticide, is primarily known for its effectiveness against a wide range of insects, including mosquitoes, cockroaches, and flies. It acts both by contact and ingestion, providing a quick knockdown effect and residual control. Its unique position lies in its potent insecticidal activity, even at low dosages, and its suitability for both indoor and outdoor applications

Brand name : Invent Liquid Insecticide

Chemical name : Permethrin 0.2% +S-Bioalethrin 0.1% +Prallethrin 0.2%

Registration No. : PHP-383

Application dose : 5ml (100)3meter or 500 ml/ha.

Application method: Thermal Fogging machine



Unique Position : Invent Liquid Insecticide is a combination of Permethrin, S-Bioallethrin & Prallethrin. The specific combination of Permethrin 0.2% + S-Bioallethrin 0.1% + Prallethrin 0.2% is likely used as a broad-spectrum insecticide, targeting a range of pests, especially in public health settings. This formulation leverages the strengths of each active ingredient: Permethrin for its broad-spectrum activity and long-lasting effect, while S-Bioallethrin and Prallethrin provide faster knockdown and repellency.

Brand name : Liquid Adulticide

Chemical name : Lambda-Cyhalothrin 0.62% + Deltamethrin 0.38%

Registration No.: PHP-699

Application dose : 500ml/hectre.

Application method : Fogger Machine: Liquid Adulticide mix with Diesel/ Kerosene /Deodorized-Kerosene and apply.

Unique Position : Liquid Adulticide is combination of Lambda-cyhalothrin and deltamethrin, both pyrethroid insecticides, are often used in combination for enhanced pest control due to their complementary properties and broad-spectrum activity. Their "unique position" stems from their ability to provide rapid knockdown and long-lasting residual control against a wide range of insect pests, making them valuable tools in both agricultural and public health applications.

Brand Name: M fos 20 EC

Chemical Name: Chlorpyrifos 20%

Registration No.: PHP-939

Application Dose: 62.5ml or 0.125ml /litre of water

Application Method: Hand spray machine



Unique Position: M Fos 20 EC, a liquid insecticide formulation containing 20% chlorpyrifos, is a broad-spectrum organophosphate insecticide used to control a wide range of insect pests in various settings. It is characterized by its contact, stomach, and respiratory action, effectively targeting insects through multiple modes of attack. It is widely used public health pesticide, primarily for mosquito larviciding. Its effectiveness in polluted waters and tidal zones, along with its use in managing mosquito-borne diseases, makes it a crucial tool in mosquito abatement programs. range of applications. Such as Agriculture, household, veterinary & soil treatment. M Fos's unique position lies in its broad-spectrum insecticide capabilities and its widespread use across various sectors.

Brand Name: Mosquito Killer

Chemical Name: Permethrin 0.2% + Prallethrin 0.2%+ Tetramethrin 0.2%

Registration No : PHP-383

Application Dose : 6ml (100)3meter .

Application Method: ULV or Fogger Machine

Unique Position: Mosquito Killer is a combination of permethrin, prallethrin, and tetramethrin at 0.2% each is a potent insecticide formulation, often used in mosquito control and pest management. The unique position of this combination lies in its synergistic effect, where the combined action of the three insecticides is greater than the sum of their individual effects, leading to enhanced efficacy and a broader spectrum of control against various insects.

Brand Name : Mosquito Slayer 5% RFU

Chemical Name : Malathion 05.00%

Registration No. : PHP-1156



Application Dose : Adult Mosquito: RFU (500 ml/hectre), Mosquito larvae: 11.12L/hetre.

Application Method: By thermal Fogger machine in populated area, use the chemical as it is ready. Spray building foundations, shrubs, low trees and lawn areas. Note: Oil mixes may cause injury to shrubs, trees, and grass. Do not allow either oil or water-based sprays to contact automobile paint surfaces.

Unique Position: Mosquito Slayer's unique position stems from its unusual chemical structure as an organophosphate insecticide. It contains two carboxyl ester linkages, in addition to the phosphoester linkage common to all organophosphates. This allows for detoxification through the hydrolysis of either or both carboxyl ester linkages, making it less toxic to mammals than other organophosphates. Its unique position lies in its broad-spectrum activity, meaning it can target many different types of insects. It is also used in public health programs for mosquito control.

Brand Name: M R Lambda 2.5 EC

Chemical Name: Lambda Cyhalothrin 2.50%

Registration No.: PHP-925

Registration Holder: M R Enterprise

Application Dose: 2 litre/hectre.

Application Method: ULV or Fogger Machine: Mix 40ml M R Lambda 2.5EC with one litre of Diesel/Kerosene /Deodorized-Kerosene and apply.

Unique Position: M R Lambda 2.5 EC is a synthetic pyrethroid insecticide known for its effectiveness against a wide range of insect pests, including Mosquitoes, Housefly, aphids, whiteflies, and thrips, and is valued for its long-lasting control and fast-acting formula. Its unique position lies in its ability to disrupt the nervous systems of insects upon contact, leading to paralysis and death. It's also noted for its stability in acidic conditions and relatively low toxicity to mammals and non-target organisms. Furthermore, it's a versatile tool for integrated pest management programs.

**Office: Suite - 415, Lion Shopping Complex 126/A/B, Old Airport Road
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.Brand Name: Temelarva 50 EC

Chemical Name: Temphos 50.95%

Registration No.: PHP-1021

Application Dose: 90ml\ha.

Application Method: Pour required amount of Temelarva 50EC in to water stirring constantly use water for good coverage for any other purpose. Can be applied by air/ground equipment use sufficient water to give good coverage. Repeat as necessary.

Unique Position: Temelarvae 50EC, an organophosphate insecticide, holds a unique position as a widely used public health pesticide, primarily for mosquito larviciding. Its effectiveness in polluted waters and tidal zones, along with its use in managing mosquito-borne diseases, makes it a crucial tool in mosquito abatement programs. While its use has declined, it remains an important tool for controlling mosquitos that transmit diseases like West Nile virus, dengue fever, and encephalitis. Its low to moderate acute toxicity compared to other organophosphates, coupled with its WHO recommendation for mosquito larva control, further solidifies its niche in public health programs , according to the US EPA and the World Health Organization.

Brand Name: Shesh 50 EC

Chemical Name: Temephos Tech (90%) 50.95%

Registration No.: PHP-343

Dose: 90ml\ha.

Application Method: Pour required amount of Shesh 50EC in to water stirring constantly use water for good coverage for any other purpose. Can be applied by air/ground equipment use sufficient water to give good coverage. Repeat as necessary.



Unique Position: Shesh 50EC, an organophosphate insecticide, holds a unique position as a widely used public health pesticide, primarily for mosquito larviciding. Its effectiveness in polluted waters and tidal zones, along with its use in managing mosquito-borne diseases, makes it a crucial tool in mosquito abatement programs. While its use has declined, it remains an important tool for controlling mosquitos that transmit diseases like West Nile virus, dengue fever, and encephalitis. Its low to moderate acute toxicity compared to other organophosphates, coupled with its WHO recommendation for mosquito larva control, further solidifies its niche in public health programs, according to the US EPA and the World Health Organization

Product Name: Lambdathrin 2.5 EC

Chemical Name: Lambda Cyhalothrin 2.50%

Registration No.: AP-5770

Application Dose: 2 litre/hectre.

Application Method: ULV or Fogger Machine: Mix 40ml Lambdathrin 2.5EC with one litre of Diesel/Kerosene /Deodorized-Kerosene and apply.

Unique Position: Lambdathrin 2.5 EC is a synthetic pyrethroid insecticide known for its effectiveness against a wide range of insect pests, including Mosquitoes, Housefly, aphids, whiteflies, and thrips, and is valued for its long-lasting control and fast-acting formula. Its unique position lies in its ability to disrupt the nervous systems of insects upon contact, leading to paralysis and death. It's also noted for its stability in acidic conditions and relatively low toxicity to mammals and non-target organisms. Furthermore, it's a versatile tool for integrated pest management programs.



OUR COMPANY

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PROPRIETOR'S OFFICE



BUSINESS OFFICE



RECEPTION ROOM



FACTORY