



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Biopesticides and Pollution Prevention Division (7511P)
1200 Pennsylvania Ave., N.W.
Washington, D.C. 20460

EPA Reg. Number:

73487-4

Date of Issuance:

7/26/2023

NOTICE OF PESTICIDE:

☒ Registration
☐ Reregistration
(under FIFRA, as amended)

Term of Issuance:

Unconditional

Name of Pesticide Product:

OmniPrene® 20CS

Name and Address of Registrant (include ZIP Code):

Synergetica International, Inc.
9 Inverness Drive
Marlboro, NJ 07746

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Biopesticides and Pollution Prevention Division prior to use of the label in commerce. In any correspondence on this product, always refer to the above EPA Registration Number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA or the Act).

Registration is in no way to be construed as an endorsement or recommendation of this product by the U.S. Environmental Protection Agency (EPA). In order to protect health and the environment, the Administrator, on his or her motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under the Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is unconditionally registered in accordance with FIFRA section 3(c)(5) provided that you:

1. Submit and/or cite all data required for registration or registration review of your product when the EPA requires all registrants of similar products to submit such data.

Signature of Approving Official:

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

Date:

7/26/2023

2. Make the following labeling change before you release this product for shipment:
 - Revise the EPA Registration Number to read, "EPA Reg. No. 73487-4."
3. Submit one (1) copy of the final printed labeling for the record before you release this product for shipment.

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 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 statements or claims substantially differing from statements or claims made in connection with obtaining a FIFRA section 3 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. A stamped copy of the labeling is enclosed for your records. Please also note that the record for this product currently contains the following acceptable Confidential Statement of Formula (CSF):

- Basic CSF dated 2/28/2022

If you have any questions, please contact Sydnie Hetzel by phone at (202) 566-1606 or via email at hetzel.sydnie@epa.gov.

Sincerely,

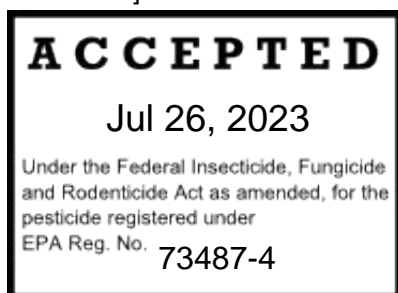


Andrew Bryceland, Team Leader
Biochemical Pesticides Branch
Biopesticides and Pollution
Prevention Division (7511M)
Office of Pesticide Programs

Enclosure

[Optional language for final label]

{Note to Reviewer: This Master Label includes standard and optional label language (designation in brackets) for OmniPrene® 20CS. This label is similar to substantially similar product Zoecon -437 label, EPA Reg. No. 2724-446}.



OmniPrene® 20CS
MOSQUITO [INSECT] GROWTH REGULATOR

Prevents adult mosquito emergence, including those which may transmit West Nile Virus, Zika Virus, Chikungunya Virus, Dengue Virus, and Malaria. Prevents the emergence of adult filter [moth] flies, and midges.

[Keeps infestations under control]

Prevents emergence of adult fleas up to 8 weeks outdoors

Controls pre-adult fleas (larvae) up to 8 weeks

Biologically derived [approach to] flea control outdoors

Capsule Suspension (CS) Formula

Prevents adult mosquito emergence (including those which may transmit West Nile Virus, Zika Virus, Chikungunya Virus, Dengue Virus, and Malaria)

[OmniPrene® 20CS must be applied to 2nd, 3rd, or 4th larval instars of target mosquitoes to prevent adult emergence]

[[OmniPrene® 20CS does not kill adults but affects the larval stages as they grow and develop]

[Continued use of the product prevents these pests from rebounding into unmanageable infestations]

[OmniPrene® 20CS prevents adult emergence. Existing adults and pupae present at the time of initial application will complete their life cycle]

[Controls [mosquitoes (Culicidae)], [filter [moth] flies (*Psychoda* spp.)] [midges (Chironomidae)] and other nuisance aquatic insect species [infesting wastewater treatment facilities] [OmniPrene® 20CS has a sufficient field life to be effective at label rates when applied to larval stages under varying field conditions]

[OmniPrene® 20CS inhibits emergence of adult mosquitoes up to 14 days at the lowest application rate of 0.75 fl. oz./Acre.]

ACTIVE INGREDIENT:

(S)-Methoprene (CAS #65733-16-6)	20%
OTHER INGREDIENTS.....	80%
TOTAL.....	100%

OmniPrene® 20CS Net Weights: {Note to Reviewer: Net Weights are product specific} [Formulation contains 1.76 lb/gal (1.057 g/mL) active ingredient]

Size Container: 1 gallon plastic container

KEEP OUT OF REACH OF CHILDREN CAUTION

See [back] [below] panel for additional Precautionary Statements

[BECAUSE OF THE UNIQUE MODE OF ACTION OF OMNIPRENE® 20CS MOSQUITO [INSECT] GROWTH REGULATOR, SUCCESSFUL USE REQUIRES FAMILIARITY WITH SPECIAL TECHNIQUES FOR APPLICATION TIMING AND TREATMENT EVALUATION. SEE GUIDE TO PRODUCT APPLICATION OR CONSULT LOCAL MOSQUITO ABATEMENT AGENCY.]

EPA Reg. No. 73487- 4
EPA Est. No.73487-CHN-002

Manufactured by:
Synergetica, Inc.
Synergetica International, Inc.
Synergetica Changzhou Ltd.
6 Gangqu North Rd.,
Riverside Econ. Dev. Park
Changzhou, Jiangsu 213033 China

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Causes moderate eye irritation. Harmful if absorbed through skin. 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. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

FIRST AID	
Call a poison control center or doctor immediately for treatment advice.	
If in eyes	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.
If on skin or clothing	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes.
Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact 1-800-248-7763 for emergency medical treatment information.	

[Note: First Aid statement paragraph format may be used if space is limited.]

ENVIRONMENTAL HAZARDS

Aquatic organisms may be killed in waters where this pesticide is used. Consult with the State agency with primary responsibility for regulating pesticides before applying to public waters to determine if a permit is needed. Do not contaminate water when disposing of rinsate or equipment washwaters.

INTRODUCTION

OmniPrene® 20CS is a unique product that controls mosquitoes (Culicidae), filter flies, moth flies (*Psychoda* spp.), and midges (Chironomidae)] and other nuisance aquatic insect species [infesting wastewater treatment facilities]. OmniPrene® 20CS contains an insect [mosquito] growth regulator (IGR) that is effective on the developing [immature] stages of insect pests. OmniPrene® 20CS maintains effective levels of S- Methoprene Insect Growth Regulator for up to **14 days** under typical environmental conditions*. OmniPrene® 20CS does not kill adults but affects the larval stages as they grow and develop. OmniPrene® 20CS interrupts the adult emergence of insect pests, thereby controlling adult populations. Continued use of the product prevents these pests from rebounding into unmanageable infestations.]

* Typical environmental conditions are defined as situations with air temperatures and rainfall that are normal for the treated location. The period of residual effectiveness may be reduced under weather conditions with unusually high temperatures or rainfall.

DIRECTIONS FOR USE

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

MIXING AND HANDLING INSTRUCTIONS

1. **SHAKE WELL BEFORE USING.** OmniPrene® 20CS may separate on standing and must be thoroughly agitated prior to dilution.do not mix with oil; use clean equipment.
2. Do not mix with oil; use clean equipment.

3. Partially fill spray tank [container] with water; then add the labeled amount of OmniPrene® 20CS, agitate and complete filling. Mild agitation during application is desirable. [Accomplish agitation by use of recirculation pump, mixer, air pump, or other suitable equipment.]
4. Use spray solution within 48 hours; always agitate before spraying.

APPLICATIONS

Mosquito Control: OmniPrene® 20CS must be applied to 2nd, 3rd, or 4th larval instars of target mosquitoes to prevent adult emergence. Treated larvae continue normal development to the pupal stage where they die. This insect growth regulator has no effect when applied to pupae or adult mosquitoes. OmniPrene® 20CS has sufficient field life to be effective at label rates when applied to larval stages under varying field conditions. For further information, see Guide to Product Application.

Wastewater Treatment Facility Pests: Use OmniPrene® 20CS in trickling filters, sludge drying beds, clarifiers, holding ponds, lagoons, influent structures, stagnant or standing water, or other areas of wastewater treatment facilities where midges, filter [moth] flies, and other nuisance aquatic insect pests are a problem.

What to Expect in Wastewater Treatment Facilities and Continuous Flow Sewage Wastewater: In order to achieve effective results, OmniPrene® 20CS must be applied on a daily basis for at least 2 weeks. Failure to apply the material on a daily basis during the treatment phase may result in erratic results. Following initial applications of OmniPrene® 20CS, a gradual reduction in the number of adult pests will be seen over approximately a 1-week period. Reduction in adult populations will be very noticeable within a two-week period following continuous application. Due to varying conditions or heavy infestations, the period to expect control may be longer. Since the mode of action of OmniPrene® 20CS is to prevent adult emergence, existing adults, and pupae present at the time of initial application will complete their life cycle.

As adult suppression peaks, use a maintenance rate of OmniPrene® 20CS for continuous protection from population rebound. However, if application of OmniPrene® 20CS is halted following population suppression, rebound of the population can be expected within 2 to 3 weeks after stopping application. For continuous suppression throughout the pest season, continue application of OmniPrene® 20CS.

Sludge or Solid Waste Applications: For solid waste applications, use 5 fluid ounces per million gallons of sludge or solids. Apply the dilution until the drying beds have been filled. Following filling of the drying beds, the application of the dilution may be halted. Make applications of the dilution at the influent side as the sludge or solids enter the drying beds. Application of OmniPrene® 20CS to solids will prevent the emergence of adult insect pests thereby keeping infestations under control.]

METHODS OF APPLICATION

Aerial: Apply OmniPrene® 20CS by aircraft to terrestrial locations where mosquito breeding occurs. Use the amount of OmniPrene® 20CS listed below in sufficient water to give complete coverage. One-half to 5 gallons of spray solution per acre is usually satisfactory. Do not apply when weather conditions favor drift from areas treated.

Ground: Determine the average spray volume used per acre by individual operators and/or specific equipment. Mix OmniPrene® 20CS in the appropriate volume of water to give the rate per acre shown below.

[Wastewater Treatment Facilities:] [Dilute OmniPrene® 20CS with water prior to use. Apply OmniPrene® 20CS with a metering pump, drip bucket or other suitable equipment. Metering pumps are the most efficient and accurate method of application. Appropriate dilution of product will be influenced by the method of application. Depending on the dosage rate, prepare the desired volume of dilution to apply over a {6 – 8-hour period} {24-hour period (day tank)}, or in cases of sludge beds, applied until the beds have been filled. When using delivery devices, it is important to calibrate the device to deliver the required amount of OmniPrene® 20CS over a {6 – 8-hour period} {24-hour period}. {Sufficient material may be mixed in advance to provide for applications longer than 24 hours.} [For best results, use metering pumps that can deliver material for greater than 24 hours.]

APPLICATION RATES

Mosquitoes: Apply 0.75 – 1 fluid ounce of OmniPrene® 20CS per acre (55 to 73 ml/ hectare) in water as directed.

[Wastewater Treatment Facility Pests:]

Initial Application - 4 - 5 fluid ounces OmniPrene® 20CS per 1 million gallons of sewage [wastewater] in sufficient water to uniformly apply at the influent side over a 24-hour period.]

[Maintenance Rate: 2.5 - 3 fluid ounces OmniPrene® 20CS per 1 million gallons of sewage [wastewater] in sufficient water to uniformly apply at the influent side over a 24-hour period.]

[To achieve effective results, make initial application rates daily for 2 weeks without interruption. Use sufficient water/ OmniPrene® 20CS to achieve uniform application to sewage [wastewater] over a 24-hour period. Apply the dilution at the influent side of the particular area to be treated.]

[Maintain initial rate of application for 2 weeks and then follow the directions for the maintenance rate for continued effectiveness.]

[Application to Wastewater – Trickling Filter: Apply 5 fluid ounces OmniPrene® 20CS per 1 million gallons of sewage [wastewater] in sufficient water to uniformly apply the material. Apply at times of low periods of flow (typically evening through early morning hours) for 6 – 8 hours. Discontinue treatment during peak flow periods and repeat applications the following day during the low flow period. Continue this application method for 7 to 10 days or until suppression of pests is achieved. Repeat applications every 15 days or as necessary to control pests.]

Fleas: Apply 1 fluid ounce of OmniPrene® 20CS per 1000 square feet in water as directed.

For Fleas Outdoors: (1) When using a hose-end sprayer, place 0.75 fluid ounces of OmniPrene® 20CS in bottle, add 6 fluid ounces of water and apply at low pressure. (2) Make sure to apply at 0.75 fluid ounces of OmniPrene® 20CS per 15 gallons of water. (3) Apply 0.75 fluid ounces of OmniPrene® 20CS in 15 gallons of water to every 750 square feet of residential turf. (4) Pay particular attention to areas where pets frequent, such as, in and around dog houses and runs, and around shrubs, outside decks, and porches. (5) If a large population of fleas is present, use [an outdoor flea control product] [brand name of outdoor flea control product] for initial kill of adult fleas.

APPLICATION SITES: Noncrop Uses

Intermittently Flooded Noncrop Areas: Apply OmniPrene® 20CS as directed above when flooding may result in mosquito hatch. Typical sites include freshwater swamps and marshes, salt marshes, woodland pools, and meadows, dredging spoil sites, drainage areas, waste treatment and settling ponds, ditches, and other natural and manmade depressions.

Dense Vegetation or Canopy Areas: Apply an OmniPrene® 20CS sand mixture using standard granular dispersal equipment. For detailed preparation instructions, refer to **Guide to Product Application**.

Wastewater Treatment Facilities: Apply OmniPrene® 20CS to sewage as it flows into trickling filters, sludge drying beds, clarifiers, holding ponds, lagoons, influent structures, stagnant or standing water, or other areas of wastewater facilities where pests are a problem.

Apply OmniPrene® 20CS as the sewage enters {influent areas} the targeted processing area. Failure to add the material at the influent side may result in erratic results.

Outdoor Flea Control: Apply to areas where pets frequent, such as, in and around dog houses and runs, and around shrubs, outside decks, and porches.

APPLICATION SITES: Agricultural Crop Uses

OmniPrene® 20CS may be applied as mosquito abatement or as area-wide public pest control sponsored by governmental entities (area-wide programs are those where large swaths of public, private, residential, commercial and/or agricultural land/property is sprayed, and a landowner has no control over the spraying).

Pastures: OmniPrene® 20CS may be applied after each flooding without removal of grazing livestock.

Rice: OmniPrene® 20CS must be applied to 2nd, 3rd, and/or 4th instar larvae of mosquitoes found in rice, usually within 4 days after flooding. OmniPrene® 20CS treatment may be repeated with each flooding.

Crop Areas: Apply OmniPrene® 20CS to irrigated croplands after flooding to control mosquito emergence. Examples of such sites are vineyards, rice fields (including wild rice), date palm orchards, fruit and nut orchards and berry fields and bogs. Irrigated pastures may be treated after each flooding without removal of livestock.

TANK MIXING INSTRUCTIONS

The user, at his discretion, can [tank] mix OmniPrene® 20CS with a registered adulticide or other larvicide, such as *Bacillus thuringiensis* variety israelensis (B.t.i.) or *Bacillus sphaericus* (B.s.) unless the tank mix product label prohibits such mixing. The ratio of B.t.i. or B.s. to OmniPrene® 20CS is to range from 24:1 to 50:1 (volume/ volume). For example, to prepare a 50:1 tank mix, add 1 gallon of OmniPrene® 20CS to 50 gallons of B.t.i. or B.s. This tank mix can be applied to sites listed above at rates of 2 to 16 fluid ounces/acre (0.15–1.2 liters/hectare). Use of the resulting tank mixture must be used in accordance with the more restrictive label limitations and precautions

CHEMIGATION: Refer to supplemental labeling entitled "**Guide to Product Application**" for use directions for chemigation. Do not apply this product through any irrigation system unless the supplemental labeling on chemigation is followed.

STORAGE AND DISPOSAL: Do not contaminate water, food or feed by storage or disposal. Pesticide Storage: Store in a cool place, away from other pesticides, food, and feed. In case of leakage or spill, soak up with sand or another absorbent material. 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. Clean container 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 of 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, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Warranty and Conditions of Sale: Seller makes no warranty, express or implied, concerning the use and handling of this product other than that indicated on the label. Buyer assumes all risks of use and handling of this material when such use and handling are contrary to label conditions.

For information, call 1-800-222-1222 (American Association of Poison Control Centers or visit our Web site: <https://aapcc.org>

EPA Reg. No. 73487- 4
EPA Est. No.73487-CHN-002

Manufactured by:
Synergetica, Inc.
Synergetica International, Inc.
Synergetica Changzhou Ltd.
6 Gangqu North Rd.,
Riverside Econ. Dev. Park
Changzhou, Jiangsu 213033 China

OmniPrene® 20CS MOSQUITO [INSECT] GROWTH REGULATOR

PREVENTS ADULT MOSQUITO EMERGENCE (including those which may transmit West Nile Virus, Zika Virus, Chikungunya Virus, Dengue Virus, and Malaria)

GUIDE TO PRODUCT APPLICATION

FOR THE FIRST TIME USER

OmniPrene® 20CS MOSQUITO [INSECT] GROWTH REGULATOR is the result of extensive research into the intricacies of natural biochemical and physiological development of insects. New chemical technology and biological findings were combined to develop a unique mosquito larvicide.

OmniPrene® 20CS, an insect growth regulator (IGR), acts by inducing morphological changes which interfere with normal development. These effects, not immediately apparent, result in the failure of adult mosquitoes to emerge from pupae. OmniPrene® 20CS is not a conventional pesticide. It does not produce the nondiscriminatory rapid, directly toxic effects that are associated with traditional larvicides. OmniPrene® 20CS differs from other larvicides you may have used only in the manner and time course of its action **after** application.

OmniPrene® 20CS is applied to 2nd, 3rd, and/or 4th instar larvae using standard larviciding equipment in a manner similar to other larvicides. After application to 2nd, 3rd, and/or 4th instar larvae at recommended rates, absolutely no effects on larvae will be observed. They will continue developing normally and will pupate. Pupae will appear unaffected but will eventually die. **Adults will not emerge.** Infrequently, a few adults may be seen at the water surface, but they will have abnormalities preventing flight and will not survive. Because the effect OmniPrene® 20CS is neither larval death nor widespread mortality immediately following pupation, **the number of adults which emerge is the only criterion for accurately assessing control.** Checks by dip counts during larval and pupal stages will give no measure of effectiveness.

Refer to the following diagram and checklist, in addition to label instructions for guidance in timing of application and performance evaluation. They will assist you in obtaining the best possible results with this unique product.

CHECK LIST

Things to remember when using OmniPrene® 20CS.

DO the following:

- 1.DO** treat 2nd 3rd, and/or 4th instar larvae, not pupae or adults. (First instar larvae are so small they are not readily detectable.)
- 2.DO** wait until treated larvae have pupated. Then collect pupae and transfer to laboratory to observe for emergence of adults.
- 3.DO** observe pupae for several days, since death of IGR treated mosquitoes occurs when pupae would normally emerge as adults. (Careful observation is necessary since dead pupae decompose rapidly and thus are not easily seen.)
- 4.DO** monitor emerging adults at the treatment site. This absolutely requires that emergence traps be placed in treatment areas to capture adult mosquitoes as they emerge.

DO NOT do the following:

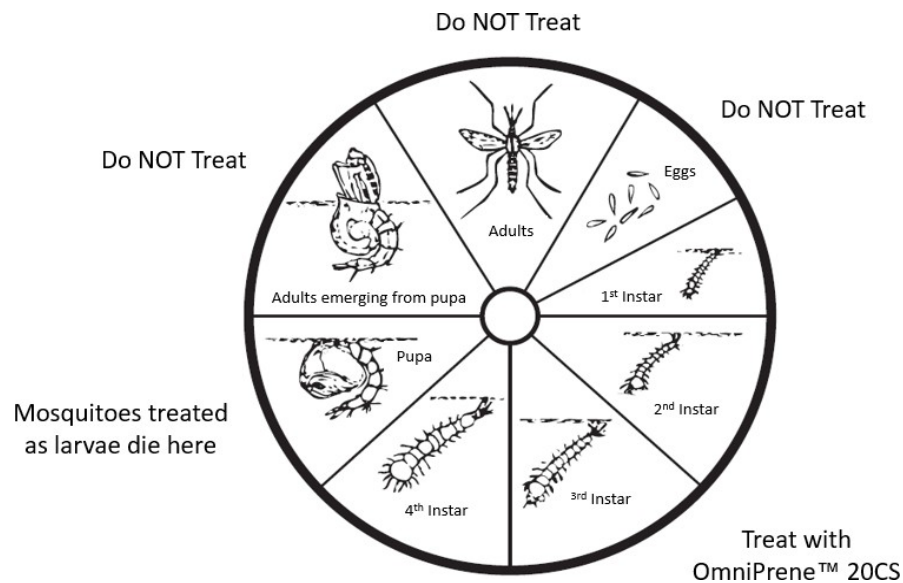
1. DO NOT take dip counts of larvae after treatment for the purpose of performance evaluation. Normal looking larvae will be present.

2. DO NOT take dip counts of pupae after treatment for the purpose of performance evaluation. Normal looking pupae will be seen but these will not develop into normal adults.

3. DO NOT think OmniPrene® 20CS has failed if some adult mosquitoes are flying in treated areas; they probably have flown in from nearby untreated areas. Numbers 2 and 4 of the "**DO**" checklist are the only methods of accurately assessing effectiveness.

4. DO NOT spray again, either with OmniPrene® 20CS or a conventional insecticide, because larvae or pupae are present after application. This is normal. The effectiveness of OmniPrene® 20CS can only be measured by lack of adult emergence.

**LIFE CYCLE OF MOSQUITO
WHEN TO APPLY OmniPrene® 20CS MOSQUITO GROWTH REGULATOR**



Chemigation: Apply this product only through flood (basin), furrow or border irrigation systems. Do not apply this product through any other type of irrigation system. Crop injury, lack of effectiveness or illegal pesticide residues in the crop can result from nonuniform distribution of treated water. If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.

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.

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.

Flood (Basin), Furrow and Border Chemigation: 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.

Systems utilizing a pressurized water and pesticide injection system must meet the following requirements:

- 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.
- The pesticide injection pipeline must contain a functional, automatic quick-closing check valve to prevent the flow of fluid back toward the injection pump.
- 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.
- The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
- 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 the pesticide distribution is adversely affected.
- 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.

A pesticide supply tank is recommended for the application of OmniPrene® 20CS by chemigation.

Preparation of Sand Mixture Granular Formulation
OmniSand [OmniPrene® 20CS Sand Mixture]
An “On-Site” Method of Preparing a Granular Formulation of OmniPrene® 20CS

INTRODUCTION

A method of application of OmniPrene® 20CS, using sand as a carrier, has been developed for use in mosquito breeding areas with dense vegetation or canopy. The characteristics of **OmniPrene® 20CS Sand Mixture [OmniSand]** provide excellent foliage penetration, ensuring that the active ingredient reaches the water where it is released from the sand.

OmniPrene® 20CS Sand Mixture will prevent the emergence of adult mosquitoes when applied to 2nd, 3rd, or 4th larval instars at a rate of 10 to 13 pounds per acre.

PREPARATION INSTRUCTIONS

The following materials are required to prepare a 100 lb batch of **OmniPrene® 20CS Sand Mixture [OmniSand]**:

99 lb washed, dry sand (20 to 45 mesh)
0.5 lb OmniPrene® 20CS (15 fl oz/lb)
0.5 lb HiSil 233 (silicon dioxide) Small Funnel
Cement Mixer

- 1.Measure the time required for a level funnel full of sand to empty.
- 2.Into a rotating-type mixer, place 99 lb of dry (20 to 45 mesh) sand. While the mixer is rotating, slowly pour 0.5 lb (7.5 fl oz) of **OmniPrene® 20CS** onto the sand. (If better wetting is required, **OmniPrene® 20CS** may be diluted in up to an equal volume of water.)
- 3.Mix until the sand is uniformly coated with **OmniPrene® 20CS** (usually 5 to 10 minutes).
- 4.Stop the mixer and add 0.5 lb of HiSil 233. Cover the mixer to reduce dust. Start the mixer and run for approximately 5 minutes. (The quantity of HiSil 233 necessary to achieve a dry, free- flowing mixture will vary depending on the particle size distribution and moisture of the sand.)
- 5.Compare the flow rate of the **OmniPrene® 20CS Sand Mixture** with that of untreated sand in Step No. 1. Add more HiSil if it flows significantly slower and reduce the amount of HiSil in subsequent batches if the mixture flows at the same or a faster rate and is excessively dusty.

APPLICATION RATE AND METHODS

Apply at a rate of 10 to 13 lb of the final mixture per acre, using standard granular dispersal equipment.

OmniPrene® 20CS Sand Mixture [OmniSand] is a registered trademark of Synergetica Inc.

EPA Reg. No.: 73487-4
EPA Est. No.73487-CHN-002

Manufactured by:
Synergetica, Inc.
Synergetica International, Inc.
Synergetica Changzhou Ltd.
6 Gangqu North Rd.,
Riverside Econ. Dev. Park
Changzhou, Jiangsu 213033 China

The information presented herein, while not guaranteed, is to the best of our knowledge true and accurate.

Warranty and Conditions of Sale: Seller makes no warranty, express or implied, concerning the use and handling of this product other than that indicated on the label. Buyer assumes all risks of use and handling of this material when such use and handling are contrary to label conditions.