



OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

WASHINGTON, D.C. 20460

July 25, 2025

SENT BY EMAIL

Candace Brassard
candybrassard@gmail.com
SYNERGETICA INTERNATIONAL, INC.

Subject: Labeling Notification per Pesticide Registration Notice (PRN) 98-10 - This submission is to correct a typographical error on page 27 of the accepted label.
Product Name: OmniPrene 20CS
Admin Number: 73487-4
EPA Receipt Date: 05/28/2025
Action Case Number: 00659227

Dear Candace Brassard:

The U.S. Environmental Protection Agency is in receipt of your application for notification under Pesticide Registration Notice 98-10 for the above referenced product. The EPA has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10.

The labeling submitted with this application has been stamped "Notification" and will be placed in our records.

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 the Federal Insecticide, Fungicide, and Rodenticide Act 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.

If you have questions, please contact Menyon Adams via email at adams.menyon@epa.gov.

Sincerely,

James Parker

James Parker, Team Leader
BPB, BPPD
Office of Pesticide Programs

73487-4

The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:

07/25/2025



INSECT GROWTH REGULATOR MASTER LABEL

[Sublabel A][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.]

[Sublabel B] [An Insect Growth Regulator]

[For protection of stored tobacco from damage by Cigarette Beetle and Tobacco Moth]

[An Insect Growth Regulator to Control Tobacco Processing and Storage Facilities Insect Pests]

[Sublabel C] [An Insect Growth Regulator]

[To Control Insects in Stored Food Commodities, such as Cereal Grains, Grain Sorghum (Milo), Legumes, Canola, Corn, Popcorn, Birdseed, Peanuts, Sunflower Seeds, Animal Feeds]

[Approved for use on all grains, spices, feeds, and seeds, including commodities for human (animal) consumption] [to control insect pests in seeds]

[Sublabel D] [An Insect Growth Regulator]

[to Prevent the Emergence of Adult Sciarid Flies in Mushroom Culture]

ACTIVE INGREDIENT:

(S)-Methoprene (CAS #65733-16-6)20%

OTHER INGREDIENTS:80%

TOTAL100%

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



MOSQUITO [INSECT] GROWTH REGULATOR

Sublabel A

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.]

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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 *israeliensis* (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 $\frac{1}{4}$ 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>)

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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:

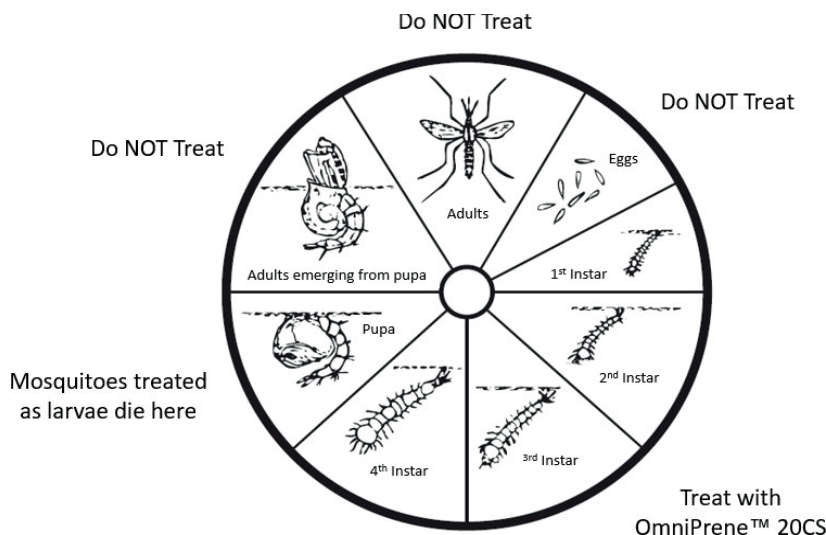
1. DO NOT take dip counts of larvae after treatment for the purpose of performance evaluation. Normal looking larvae will be present.

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

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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.



INSECT GROWTH REGULATOR

SUBLABEL B

[An Insect Growth Regulator]

For protection of stored tobacco from damage by Cigarette Beetle and Tobacco Moth

An Insect Growth Regulator to Control Tobacco Processing and Storage Facilities Insect Pests

ACTIVE INGREDIENT:

(S)-Methoprene (CAS #65733-16-6).....20%

OTHER INGREDIENTS.....80%

TOTAL100%

OMNIPRENE® 20CS

Net Weights: {Note to Reviewer: Net Weights are product specific} [Formulation contains 1.76 lb/gal active ingredient] [Product Density: 1.057 g/mL]

KEEP OUT OF REACH OF CHILDREN CAUTION

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

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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. Remove contaminated clothing and wash clothing before reuse.

FIRST AID	
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 eyes. Call a poison control center or doctor for treatment advice.
If on skin	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 swallowed	Immediately call a poison control center or doctor. Do not induce vomiting unless told to do so 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.
Have the product label or container with you when calling a poison control center or doctor or going for treatment. For non-emergency information concerning this product, call the National Pesticides Information Center (NPIC) at 1-800-858-7378 Monday - Friday, 8 am to 12 pm Pacific Time (NPIC Web site: www.npic.orst.edu). For medical emergencies call your poison control center at 1-800-222-1222.	

INTRODUCTION:

OMNIPRENE® 20CS is a microencapsulated suspension of the insect growth regulator, (S)-methoprene. It is designed for use in aerosol generators and as a concentrate for use as an aqueous spray. (S)-methoprene, unlike traditional pesticides, does not immediately kill insects; instead, it interferes with the normal processes of insect development and prevents adult emergence. OMNIPRENE® 20CS when used according to label directions, controls these and other [complete metamorphic] insect pests [that pupate] [that are affected by Insect Growth Regulators (IGR's)]:

Almond moth (*Ephestia cautella*) Cigarette beetle (*Lasioderma serricorne*)
Sawtooth grain beetle (*Oryzaephilus surinamensis*) Red flour beetle (*Tribolium castaneum*)
Tobacco moth (*Ephestia elutella*)
Indian meal moth (*Plodia interpunctella*)

Lesser grain borer (*Rhyzopertha dominica*) Merchant grain beetle (*Oryzaephilus mercator*)
Confused flour beetle (*Tribolium confusum*) Warehouse beetle (*Trogoderma spp.*)

DIRECTIONS FOR USE:

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Do not apply directly to tobacco being processed.

Do not use this product in or on electrical equipment due to the possibility of shock hazard.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Do not remain in treated areas and ventilate before re-entry. Leave the room closed for 30 minutes to allow spray or mist to settle before re-entry into the area.

Application with Aerosol Generators:

Apply OMNIPRENE® 20CS as a mist or aerosol. Dilute with water as required following the instructions of the spray equipment manufacturer. As a surface treatment, apply OMNIPRENE® 20CS at the **rate of 1.42 ml** per 1,000 square feet. For misting applications, **use 4.26 ml** per 10,000 cubic feet.

Close room or warehouse and shut off all ventilating systems. Apply the product as a fine mist in the air above the trays, shelves, and in areas where dust may accumulate. Do not remain in treated areas and ventilate before re-entry. Leave the room closed for 30 minutes to allow spray mist to settle before re-entry. Repeat application as required to suppress pest populations.

Application as an Aqueous Spray:

To prepare a diluted spray solution, fill the mixing container with ½ gallon water, **add 1.42 ml** of OMNIPRENE® 20CS, mix, and complete filling with a total of 1 gallon of water. Apply at a rate of 1 gallon of diluted solution per 1,000 square feet of surface area with any low-pressure sprayer typically used for indoor applications. Treat all areas which may harbor insect pests. Use diluted spray solution within 72 hours of mixing. Agitate before each use. Repeat application as required to suppress pest populations.

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

WARRANTY AND CONDITIONS OF SALE

To the extent consistent with applicable law, seller makes no warranty concerning the use and handling of this product other than indicated on the label. To the extent consistent with applicable law, buyer assumes all risks of use and handling of this material when such use and handling are contrary to label instructions.

OMNIPRENE® 20CS is a registered trademark of Synergetica, Inc.

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

OmniPrene® 20CS
INSECT GROWTH REGULATOR

SUBLABEL C

[An Insect Growth Regulator]

To Control Insects in Stored Food Commodities, such as Cereal Grains, Grain Sorghum (Milo), Legumes, Canola, Corn, Popcorn, Birdseed, Peanuts, Sunflower Seeds, Animal Feeds

Approved for use on all grains, spices, feeds, and seeds, including commodities for human (animal) consumption.

[to control insect pests in seeds]

ACTIVE INGREDIENT:

(S)-Methoprene (CAS #65733-16-6)20%

OTHER INGREDIENTS80%

TOTAL 100%

OMNIPRENE® 20CS

Net Weights: {Note to Reviewer: Net Weights are product specific} [Formulation contains 1.76 lb/gal active ingredient] [Product Density: 1.057 g/mL]

KEEP OUT OF REACH OF CHILDREN CAUTION

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

EPA Reg. No. 73487- 4

EPA Est. No.73487-CHN-002

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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. Remove contaminated clothing and wash clothing before reuse.

FIRST AID	
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 eyes. • Call a poison control center or doctor for treatment advice.
If on skin	• 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 swallowed	• Immediately call a poison control center or doctor. Do not induce vomiting unless told to do so 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.
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.	

INTRODUCTION:

(S)-methoprene, the active ingredient in OMNIPRENE® 20CS, protects stored grains, agricultural commodities, seeds, and animal feeds from damaging insects by interfering with the normal process of insect development. Unlike traditional pesticides, OMNIPRENE® 20CS is not an adulticide, but its residual activity prevents the development of larvae into adults. When used according to the label directions, OMNIPRENE® 20CS inhibits growth of larvae of these insects: [(almond moth), (Indian meal moth), (cigarette beetle), (lesser grain borer), (sawtooth grain beetle), (merchant grain beetle), (red flour beetle), and (confused flour beetle)] and other [complete metamorphic] insect pests [that pupate][that are affected by Insect Growth Regulators (IGR's)]. Treat existing insect populations with an adulticide, then apply OMNIPRENE® 20CS for residual protection.

DIRECTIONS FOR USE:

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

Apply OMNIPRENE® 20CS to any food commodity (including but not limited to the following: cereal grains, corn, sunflower, canola, legumes, popcorn, wheat, spices, sorghum, rice, cocoa, peanuts, oats, millet and processed or non-processed commodities readied for packaging) for control of insect larvae. OMNIPRENE® 20CS may also be used to treat bulk or bagged pet food, livestock feed components and finished livestock feed, birdseed, or any other dry animal feed. OMNIPRENE® 20CS may be applied to any seed stock. Treated commodities may be processed immediately.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses. Do not remain in treated areas and ventilate before re-entry. Leave the room closed for 30 minutes to allow spray or mist to settle before re-entry into the area.

DIRECTIONS FOR TREATMENT OF GRAIN BEING STORED:

For protection of stored food, grain, animal feed, seeds used for oil, and seed stock against insects - for optimum results, thoroughly clean and treat storage areas prior to storing commodities.

DILUTION INSTRUCTIONS:

OMNIPRENE® 20CS may be diluted in water. Final water dilution volume is 5 gallons of liquid per 1,000 bushels of grain and 10 gallons of liquid per 1,000 bushels of rice (or 21 fl oz of liquid per ton for grain, or 42 fl oz of liquid per ton for rice). Apply diluted product to the moving grain stream as a uniform coarse spray. Lower or greater volumes of diluent can be used but, it is important to assure that the commodity mass is uniformly treated. Agitate water solutions to ensure thorough mixing.

Apply OMNIPRENE® 20CS in solution in accordance with the general directions, to stored products using the following tables as a guide. A range of rates for different commodities is provided for flexibility to address varying storage periods and conditions. OMNIPRENE® 20CS may be applied at any rate within the specified range indicated on the tables. However, for maximum residual activity, use higher rates; the lower application rates provide shorter residual activity.

APPLICATION RATES (PER 1,000 BUSHELS)

COMMODITY	High Rate		Moderate Rate		Low Rate	
	fl. oz	ml	fl. oz	ml	fl. oz	ml
Wheat	10	300	5	150	2.5	75
Corn	10	300	5	150	2.5	75
Sorghum	10	300	5	150	2.5	75
Barley	8.5	256	4.25	128	2.13	64
Rice	8.5	256	4.25	128	2.13	64
Oats	5.7	170	2.8	85	1.4	43
Peanuts	5.7	170	2.8	85	1.4	43
Sunflower	5.7	170	2.8	85	1.4	43

APPLICATION RATES (PER TON OF PRODUCT)

COMMODITY	High Rate		Moderate Rate		Low Rate	
	fl. oz	ml	fl. oz	ml	fl. oz	ml
Any	0.36	10.7	0.18	5.3	0.09	2.7

USE NOTES

- Apply OMNIPRENE® 20CS as grain protectant only to grain of known treatment history.
- Check spray equipment calibration regularly to ensure proper application rates.
- Add the measured amount of OMNIPRENE® 20CS to a spray tank filled with ½ gallon of water, mix, and complete filling with specified quantity of water.
- Keep mixed solution out of direct sunlight.
- Agitate before each use.
- Pre-treat storage facilities before filling with OMNIPRENE® 20CS treated commodities.
- OMNIPRENE® 20CS may be used in conjunction with aeration.
- Applications of OMNIPRENE® 20CS to finished animal feeds, birdseed, or other finished products DO NOT require package labeling since the application is made to control pests in the package and no other claims are made on the final packaging.
- OMNIPRENE® 20CS may be tank-mixed with a suitable adulticide in diluted solutions or when misting. When tank-mixing OMNIPRENE® 20CS with an adulticide, the more stringent label will apply.

DIRECTIONS FOR TOP-DRESS TREATMENT OF STORED GRAIN:

Apply OMNIPRENE® 20CS as a top-dressing to stored products placed in bins or storage areas. For top-dressing application, spray or fog the bin headspace paying particular attention to the top of the commodity mass, beams, ceilings, and rafters. Thorough coverage of the bins or storage areas is essential for optimal results. For surface treatments, apply 1.42 ml (1/20 oz) of OMNIPRENE® 20CS per 1,000 square feet; or for space spray, apply 4.26 ml (1/7 oz) per 10,000 cubic feet in sufficient diluent to provide adequate coverage. Do not flood the top-dress area.

DIRECTIONS FOR MIXING INTO BULK OR BAGGED ANIMAL FEEDS:

OMNIPRENE® 20CS is suitable to be used in the production of bulk or bagged animal feeds (including but not limited to the following: pet food, livestock feed, birdseed, and other animal feeds). Add 5.25-21.3 ml (0.18-0.71 fl oz) of OMNIPRENE® 20CS per ton of (animal feed) (product) with a sufficient diluent and mix to achieve thorough coverage.

DIRECTIONS FOR MISTING OR SPRAYING:

OMNIPRENE® 20CS may also be used as a misting concentrate or surface spray for the treatment of [complete metamorphic] insect pests [that pupate] [that are affected by Insect Growth Regulators (IGR's)]: infesting warehouses, silos, storage bins or other stored commodity areas.

Apply OMNIPRENE® 20CS in food processing, food service, food preparation, and food handling establishments including, mills, bakeries, restaurants, taverns, food storage facilities, meat and produce canneries, cafeterias, breweries, candy processing, pet food production, grocery stores, rail cars, ships, trucks, and trailers, cereal processing, and bottling facilities. In addition to treating raw commodities and their processing facilities, apply OMNIPRENE® 20CS to packaged, canned, and bottled foodstuffs, as well as the packaging such as boxes, liners, and pallets. For application of OMNIPRENE® 20CS as a mist or space spray, use the following directions.

Application with Aerosol Generators

Apply OMNIPRENE® 20CS as an ultra-low volume (ULV) mist or aerosol. Dilute with water as required following the instructions of the spray equipment manufacturer. Apply OMNIPRENE® 20CS at the rate of 1.42 ml (1/20 fl oz) per 1,000 square feet of surface area or 4.26 ml (1/7 oz) per 10,000 cubic feet. Use appropriate spray equipment, such as mechanical break up cold aerosol generators to achieve uniform coverage.

Close room or warehouse and shut off all ventilating systems. Apply the product as a fine mist in the air above the trays, shelves, and in areas where dust may accumulate. Do not remain in treated areas and ventilate before re-entry. Leave the room closed for 30 minutes to allow spray mist to settle before re-entry. Repeat application as required to suppress pest populations.

Application as an Aqueous Spray: To prepare a diluted spray solution, fill the mixing container with ½ gallon water, add 1.42 ml (1/20 fl oz) of OMNIPRENE® 20CS, mix, and complete filling with a total of 1 gallon of water. Apply at a rate of 1 gallon of diluted solution per 1,000 square feet of surface area with any low-pressure sprayer typically used for indoor applications. Treat all areas that may harbor insect pests. Agitate solution before each use. Repeat application as required to suppress pest populations.

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 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. Clean container promptly after emptying. Triple rinse as follows. [For containers 5 gallons or less] 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 $\frac{1}{4}$ 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, or if allowed by state and local authorities, by burning. If burned, stay out of smoke. [For containers over 5 gallons] Empty the remaining contents into application equipment or a mix tank. Fill the container $\frac{1}{4}$ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal.

Repeat this procedure two more times. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or by other procedures allowed by state and local authorities.

WARRANTY AND CONDITIONS OF SALE

To the extent consistent with applicable law, the seller makes no warranty concerning the use and handling of this product other than indicated on the label. To the extent consistent with applicable law, buyer assumes all risks of use and handling of this material when such use and handling are contrary to label instructions.

OMNIPRENE® 20CS is the registered trademark of Synergetica, Inc.

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



INSECT GROWTH REGULATOR

SUBLABEL D

[An Insect Growth Regulator]

[to Prevent the Emergence of Adult Sciarid Flies in Mushroom Culture]

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 active ingredient] (Product Density: 1.057 g/mL]

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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. Remove contaminated clothing and wash clothing before reuse.

ENVIRONMENTAL HAZARDS: Do not contaminate water when disposing of rinsate or equipment washwaters.

KEEP OUT OF REACH OF CHILDREN	
CAUTION	
FIRST AID	
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 eyes. • Call a poison control center or doctor for treatment advice.
If on skin	• 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 swallowed	• Immediately call a poison control center or doctor. • Do not induce vomiting unless told to do so 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.
Have the product label or container with you when calling a poison control center or doctor or going for treatment. For non-emergency information concerning this product, call the National Pesticides Information Center (NPIC) at 1-800-858-7378 Monday - Friday, 8 am to 12 pm Pacific Time (NPIC Web site: www.npic.orst.edu). For medical emergencies call your poison control center at 1-800-222-1222.	

Personal Protective Equipment (PPE):

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category E on an EPA chemical resistance category selection chart. Applicators and other handlers must wear:

- long-sleeved shirt and long pants
- shoes plus socks
- chemical resistant gloves, such as neoprene rubber (>14 mils), nitrile rubber (>14 mils), barrier laminate, or Viton (>14 mils).

Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

Engineering Controls Statements:

When handlers use closed systems or enclosed cabs 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:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- 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.

DIRECTIONS FOR USE

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

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. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

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. 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.

Exception: If the product is soil injected or soil incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

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:

1) Coveralls, 2) Chemical-resistant gloves, such as neoprene rubber (>14 mils), nitrile rubber (>14 mils), barrier laminate, or Viton (>14 mils), and 3) Shoes plus socks

Do not apply this product through any type of irrigation system.

INTRODUCTION:

(S)-methoprene, the active ingredient in OMNIPRENE® 20CS insect growth regulator (IGR) is a chemical analog of a natural insect hormone. Unlike traditional pesticides, the presence of (S)-methoprene does not result in immediate insect kill; it interferes with the normal process of insect development. OMNIPRENE® 20CS will prevent the emergence of adult sciarid flies when incorporated into the mushroom growing medium. Pupae and adults present at the time of application will not be affected. If high adult populations are present initially, use of a conventional adulticide will ensure the best overall results. Use an appropriately labeled adulticide to knock down the adult infestation prior to the application of OMNIPRENE® 20CS.

After treatment with OMNIPRENE® 20CS, larvae will continue to develop to the pupal stage where they will die. Estimation of adult fly populations should be no earlier than 2 weeks after treatment to assess the full benefit of OMNIPRENE® 20CS.

COMPATIBILITY ON MUSHROOMS:

In most cases, treatment with OMNIPRENE® 20CS has a beneficial effect on mushroom yield through control of damaging sciarid fly larvae. However, to determine if spotting or effect on yield may occur, the user should conduct test treatments on small plots.

METHOD, RATE, AND TIMING OF APPLICATION: For best results, incorporate OMNIPRENE® 20CS in the mushroom growing medium.

Follow either **METHOD A, METHOD B, METHOD C, OR METHOD D** Application Instructions.

A. INCORPORATE IN CASING AT TIME OF CASING:

Apply OMNIPRENE® 20CS at the rate of 8 fluid ounces (fl oz) per 1,000 sq ft. Apply evenly and mechanically mix into casing material prior to the casing operation, or drench evenly onto the surface of the casing immediately after placement.

B. INCORPORATE IN COMPOST AT TIME OF SPAWNING AND IN CASING AT TIME OF PLACEMENT OF CASING LAYER:

In Compost: Apply OMNIPRENE® 20CS at the rate of 8 fl oz/1,000 sq ft in adequate water for even distribution. Spray or sprinkle on the surface of compost at the time of spawning and thoroughly incorporate using a spawning machine or other suitable mechanical means.

In Casing: Apply OMNIPRENE® 20CS at the rate of 3¼ fl oz/1,000 sq ft. Apply evenly and mechanically mix into casing material prior to the casing operation, or drench evenly onto the surface of the casing immediately after setting it in place.

C. COMPOST SURFACE DRENCH BEFORE CASING AND IN CASING AT TIME OF PLACEMENT OF CASING LAYER

For those varieties of mushrooms that have a 16-day or longer spawn run, use a split application.

First Application, on compost: Apply OMNIPRENE® 20CS 12-13 days after spawning. Drench OMNIPRENE® 20CS evenly on the surface at the rate of 4 fl oz/1,000 sq ft in adequate water for even distribution.

Second Application, in casing: Apply OMNIPRENE® 20CS at the rate of 4 fl oz/1,000 sq ft. Apply evenly and mechanically mix into casing material prior to the casing operation, or drench evenly onto the surface of the casing immediately after setting it in place.

D. INCORPORATE IN CASING AT TIME OF CASING FOLLOWED BY A SURFACE APPLICATION PRIOR TO FIRST BREAK OF MUSHROOMS

First Application, in casing: Apply 8 fl. oz. OMNIPRENE® 20CS per 1,000 sq ft in adequate water for even distribution and mechanically mix into the casing material prior to the casing operation.

Second Application, on casing surface just prior to first break: Apply 4 fl. oz. OMNIPRENE® 20CS per 1,000 square feet in adequate water for even distribution as a surface drench prior to first break of mushrooms.

MIXING AND HANDLING INSTRUCTIONS

1. Add the measured amount of ~~APEX~~ OMNIPRENE® 20CS to a spray tank partially filled with water, mix, and complete filling with specified quantity of water.
2. Use diluted spray solution within 72 hours of mixing. Agitate before each use.

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 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. 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 $\frac{1}{4}$ 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, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

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