

IPM 1.5 EC

INSECTICIDE

For Use by Qualified Pest Control Operators & Commercial Applicators.

ACTIVE INGREDIENT:

o-Isopropoxyphenyl methylcarbamate*

INERT INGREDIENTS

TOTAL

13.9%

86.1%

100.0%

*Contains 1.5 lbs. Active per gallon

EPA REG. NO. _____

NET CONTENT _____

BEST DOCUMENT AVAILABLE

WARNING: May be fatal if swallowed, inhaled, or absorbed through the skin. Do not get in eyes, on skin, or on clothing. In case of prolonged exposure, wear natural rubber gloves, protective clothing, and goggles. In case of contact, wash immediately with soap and warm water. Do not store near feed or food products. Do not contaminate food. Wash hands, arms, and face thoroughly with soap and water before eating or smoking. Wash all contaminated clothing with soap and hot water before reuse.

NOTE TO PHYSICIAN: Atropine Sulfate is antidote.

Do not reuse empty container. Destroy empty containers by perforating or crushing and burying in a safe place.

DIRECTIONS FOR USE: IPM 1.5 gives excellent control of ants, cockroaches, clover mites, crickets, earwigs, fleas (outdoors), mosquitoes (outdoors), flies, millipedes, scorpions, silverfish, sowbugs, spiders, brown dog ticks, wasps, waterbugs, lawn chinch bugs, sod webworms (lawn moths), billbugs, punkies and sand flies. It provides good flushing action of cockroaches, rapid knockdown, and long residual control of these and the other insects. IPM 1.5 will also control strains of cockroaches and mosquitoes resistant to certain chlorinated hydrocarbon and organophosphate insecticides. IPM 1.5 mixes readily with water and may be applied with most types of hand- or power-operated sprayers. Agitate spray mixture frequently. IPM 1.5 gives rapid knockdown and effective control of mosquitoes when applied by either ground mist spraying or with conventional aircraft spray equipment.

CUTION: Do not use this product as a spray mixture made from this formulation may become flammable if allowed to stand for more than a few hours. Clean tanks thoroughly before and after use.

PEST CONTROL - INDOORS: (USE FOR GENERAL CONTROL)

IN AND AROUND HOMES, APARTMENTS, OFFICES, STORES AND WAREHOUSES: Mix 8 fluid ounces (1 pint) of IPM 1.5 in 1 gallon of water (1.1% concentration) and apply as residual spray to baseboards, window frames, the undersides of shelves and drawers, under sinks, and crevices and to other places where insects may hide. Also spray walls, ceilings and surfaces where insects may crawl when they come out of hiding. For ants, spray trails and places where ants enter premises. Repeat as necessary. Do not spray foodstuffs or house plants. DO NOT USE AS A SPACE SPRAY, PROVIDE ADEQUATE VENTILATION OF AREA BEING TREATED. Do not allow children to contact treated surfaces until surfaces are completely dry.

PEST CONTROL IN MEAT PACKING AND FOOD PROCESSING PLANTS AND RESTAURANTS: Mix 8 fluid ounces (1 pint) of IPM 1.5 in 1 gallon of water (1.1% concentration) and apply as a residual spray to walls, ceilings and other infested areas. Do not use in the edible products areas of meat packing and food processing plants (including plants that are federally inspected), restaurants, or other areas where food is commercially prepared or processed. Do not use in serving areas while food is exposed. When using the spray in the inedible products areas where no exposed food or processing equipment is present, take any needed precautions to avoid contamination of packaged or frozen food commodities.

Spraying unloading docks and other areas where insects congregate will aid in preventing re-infestations. Good sanitation and proper disposal of wastes is essential in any effective pest control program.

PEST CONTROL IN ANIMAL QUARTERS: Do not use of IPM 1.5 in and around research animal quarters. The use of this product will not induce changes in liver microsomal enzyme activity.

PEST CONTROL - OUTDOORS:

For use by Pest Control Operators for application of Residuals for residual control of pests in and around buildings, homes, garbage areas, dumps and other areas where insects congregate.

RESIDUAL SPRAY for flies, cockroaches, crickets, beetles, millipedes, mosquitoes, spiders, centipedes, flower beetles, fleas, scorpions, sowbugs, brown locusts, and waterbugs. Mix 8 fluid ounces (1 pint) of IPM 1.5 in 1 gallon of water (1.1% concentration) and apply as a residual spray on the exterior surfaces of buildings, porches, screens, window frames, and other areas where insects congregate.

To control sand flies or biting (ulicoid type), mix 8 fluid ounces (½ pint) IPM 1.5 in 1 quart of water* (1:5 concentration) and apply with a paint brush to outside surfaces of door and window screens and other screened areas where flies may enter buildings. Thorough coverage is necessary for maximum control.

GROUND MIST SPRAY FOR MOSQUITOES: Apply 4½ to 6 fluid ounces (0.05 to 0.07 lb. active) per acre. For mist-blower machines calibrated to deliver 10 gallons per hour traveling at a speed of 4 m.p.h. and covering a swath width of up to 35 feet, use 5½ to 8 gallons of liquid concentrate per 10 gallons of water* to treat 170 acres. CAUTION: Do not allow to drift or use on crop land or pasture lands.

AIRCRAFT APPLICATIONS FOR MOSQUITOES: Use IPM 1.5 at dosages of 4½ to 6 fluid ounces (0.05 to 0.07 lb. active) per acre in 2 to 4 quarts for application in conventional aircraft spray equipment. CAUTION: Do not allow to drift or use on crop land or pasture lands.

NOTE: Due to the high volatility of the solvents in IPM 1.5, it is necessary to add the formulation directly to the aircraft spray tank and mix well with water. Do not premix in nurse tanks. Aircraft tanks must be closed after mixing to prevent solvent evaporation which would result in crystallization of the active ingredient. Prepared spray should not be held in tank longer than 2 to 3 hours.

FISH AND WILDLIFE CAUTION: Shrimp, crayfish and crabs may be killed at the listed rates of application. Do not use where these are valuable resources. Do not contaminate water by cleaning of equipment or disposal of waste. IPM 1.5 is toxic to fish, birds and other wildlife. Birds feeding in treated areas may be killed.

BEST CONTROL OF MOSQUITOES AND LARVAE (SOD WEBWORMS - LAW MOTHS): To control sod webworms or law moths, mix 11 fluid ounces (approximately 1½ cups) of IPM 1.5 in 10 to 15 gallons of water* and apply to 1000 square feet of area. Do not mow or cut grass until 1 hour after raking dead grass from damaged areas. Rake the law early and allow grass to dry before applying with IPM 1.5. Do not water again for several days. Three applications at 10 day intervals may be required for maximum control. In areas where the law is cut, application should be made in May or June. Consult your local Agricultural Experiment Station or Bureau of Entomology and Plant Quarantine for information regarding timing of application.

CONTROL OF MOSQUITOES IN FLORIDA ONLY: Apply to 10 fluid ounces of IPM 1.5 in 10 to 15 gallons of water* or law or turf areas. Do not mow or cut grass until 1 hour after application. Do not water again for several days.

results, use 30 to 40 gallons of water per 1,000 sq. ft. Repeat as necessary. For effective control of chinch bugs, IPM 1.5 should be applied during the spring and summer months or as recommended by your State Agricultural Experiment Station or Extension Service. For best results, lawns should be watered before applying IPM 1.5.

PRECAUTIONARY NOTE: Birds feeding on treated areas may be killed. Keep children and pets off treated areas until dry.

*The use of this material in water at 40° F. or below will result in crystallization in the spray tank. Do not use in oil. Do not allow spray mixture to stand overnight in the spray tank.

MIXING CHART:

BEST DOCUMENT AVAILABLE

Fluid Ounces of IPM 1.5 to Add To:

Concentration Required	1 Gallon U.S.	3 Gallons U.S.	10 Gallons U.S.
1.1%	8 (1 pint)	24 (3 pints)	80 (5 pints)
4.5%	32 (4 pints)	96 (12 pints)	320 (20 pints)

RESTRICTIONS:

Since this is a water suspension material, do not apply to rugs, carpets, draperies, wallpaper, or similar materials that may be stained or water-marked. The solvents of this formulation may stain certain plastic, rubber, and asphalt materials, such as tiles and floor coverings. Do not treat such materials without first testing a small inconspicuous area. Do not use as a space spray. Provide adequate ventilation of area being treated. Do not apply to animals or humans. Do not use on food crops. Do not use on plants other than those recommended.

MANUFACTURED BY: Aceto Chemical Co., Inc.
Agricultural Chemicals Division
126-07 Northern Blvd.
Flushing, N. Y. 11368