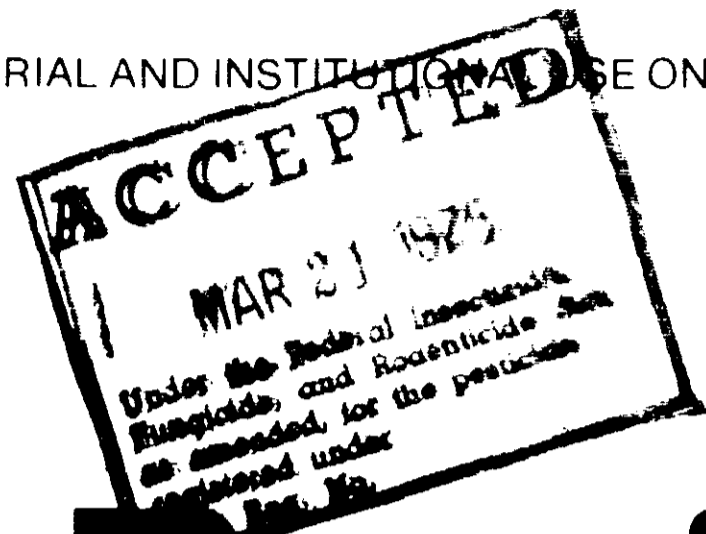


FOR INDUSTRIAL AND INSTITUTIONAL USE ONLY 0872



WestBan-2ETM

INSECTICIDE

CONTROLS HOUSEHOLD PESTS (Cockroaches, Ants, Brown Dog Ticks, Silverfish, Spiders), TURF (Chinch Bugs, Sod Webworms, Ants, Brown Dog Ticks, Cutworms, Earwigs, Crickets, Grasshoppers, Certain White Grubs, Hyperodes Weevil), and ORNAMENTAL PLANTS (Aphids, Bagworms, Grasshoppers, Leafhoppers, Spittlebugs, Mealybugs, Whiteflies, Exposed Thrips, Mites, Cutworms). ALSO RECOMMENDED FOR MOSQUITO CONTROL AND AREA CONTROL OF TICKS.

To Be Applied Only By or Under the Supervision of Pest Control Operators, Public Health Organizations, Mosquito Abatement Districts and Other Trained Personnel Responsible for Insect Control Programs.

ACTIVE INGREDIENTS:

Aromatic petroleum derivative solvent 69.8%
Chlorpyrifos [0,0-diethyl 0-(3,5,6-trichloro-2-pyridyl) phosphorothioate] 23.5%

INERT INGREDIENTS 6.7%

Contains 2 pounds of chlorpyrifos per gallon.
Contains "Westban" Insecticide - Trademark of The Dow Chemical Company
U.S. Patent No. 3,244,586

EPA REG. No. 52-239-AA EPA Est. 52-NY-1

WARNING:

Keep Out Of Reach Of Children
(Read Complete Precautions on All Panels.)

Net Contents:



USE-DIRECTIONS

PESTS INDOORS:

General Information: Use WESTBAN-2E Insecticide as a spot treatment to control cockroaches, ants, crickets, firebrats, silverfish, spiders and brown dog ticks in and around residential, institutional and commercial buildings, including homes, apartment buildings, hospitals, stores and warehouses. Dilute WESTBAN-2E with water or with a suitable base oil to make a 0.25% or 0.5% chlorpyrifos spray as shown in the following SPRAY DILUTION CHART. Apply according to directions given for pests listed. Repeat the treatment as needed.

1 SPRAY DILUTION CHART

Gallons of Spray Mixture Desired	Fluid Ounces* of WESTBAN-2E to Use	
	0.25% spray	0.50% spray
Water-base spray:		
1	1 1/3	2 2/3
3	4	8
5	6 2/3	13 1/3
10	13 1/3	26 2/3
Oil-base spray**		
1	1	2
3	3	6
5	5	10
10	10	21

*Note: 1 fluid ounce = 2 tablespoons = 6 teaspoons
**Calculated on basis of deodorized kerosene

PESTS INDOORS:

Cockroaches (including strains resistant to certain other insecticides), **Ants, Crickets, Firebrats, Silverfish, Spiders:** Use a 0.25% spray to control light infestations and a 0.5% spray to quickly reduce heavy infestations. Apply as a coarse spray or with a paint brush to localized areas where these pests are found or normally occur, including dark corners of rooms and closets, cracks and crevices in walls, along and behind baseboards, beneath and behind sinks, stoves, refrigerators and cabinets, around plumbing and other utility installations. For ants, apply to ant trails, also around doors and windows and wherever else these pests may find entrance. Note: A period of 4 to 7 days is normally required for maximum effect on cockroaches.

Brown Dog Ticks: Thoroughly apply a 0.5% spray as a spot treatment to infested areas such as pet beds and resting quarters, nearby cracks and crevices, along and behind baseboards, window and door frames, and localized areas of floor and floor covering where these pests may be present. Old bedding of pets should be removed and replaced with clean, fresh bedding after treatment. **Do not treat pets with this product.**

WARNING (Pests Indoors): For Spot Application Only. Do not use in poultry houses, other animal buildings, or in edible products areas of food processing plants, restaurants, or other areas where food is commercially prepared or processed. Do not use in serving areas while food is exposed. Do not allow spray to contact food, feedstuffs, and water supplies. Thoroughly wash dishes and food-handling utensils with soap and water if they become contaminated by application of this product. Do not allow children or pets to contact treated surfaces until spray has dried. Remove pets and cover fish bowls (tanks) before spraying.

APPLICATIONS WITHIN FOOD AREAS OF FOOD-HANDLING ESTABLISHMENTS

CRACK AND CREVICE TREATMENTS ONLY:

Food Handling Establishments — (places other than private residences in which exposed food is held, processed, prepared or served) and **Food Areas** — Application limited to crack and crevice treatment only. Includes areas for receiving, storage, packing, (canning, bottling, wrapping, boxing) preparing edible waste storage and enclosed processing systems (mills, dairies, edible oils, syrups). Serving areas (when food is exposed and facility is in operation) also would be considered a food area. Use Spray Dilution

Chart #1 for mixing instructions when applying WESTBAN-2E as a crack and crevice spray in food areas.

Apply in small amounts directly into cracks and crevices using equipment capable of delivering a thin stream of insecticide in points between different elements of construction, between equipment and floors, openings leading to voids and hollow spaces in walls, equipment legs and bases, conduits, motor housings, junction or switch boxes where **cockroaches, ants, crickets, firebrats, silverfish, spiders, and brown dog ticks** hide. Prior to application de-energize electrical equipment. After application, allow time for oil to evaporate before starting motors or placing switches in the "ON" position. Do not use this product in conduits, motor housings, junctions, and switch boxes when diluted with water.

Care should be taken to avoid depositing the product onto exposed surfaces or introducing the material into the air. Avoid contamination of food or food processing surfaces.

APPLICATIONS OF THIS PRODUCT IN THE FOOD AREAS OF FOOD HANDLING ESTABLISHMENTS, OTHER THAN AS A CRACK AND CREVICE TREATMENT ARE NOT PERMITTED.

SPOT TREATMENT ONLY:

Food Handling Establishments — (Places other than private residences in which exposed food is held, processed, prepared or served) and **Serving Areas** — Facilities where prepared foods are served, such as dining rooms, but excluding areas where foods may be prepared or held.

Apply as a spot treatment to selective surfaces such as baseboards, under elements of construction into cracks and crevices. Avoid treating surfaces likely to be contacted by food. (Do not apply when facility is in operation or foods are exposed.)

GENERAL TREATMENT:

Food Handling Establishments — (Places other than private residences in which exposed food is held, processed, prepared or served) and **Non-Food Areas**. Includes garbage rooms, laboratories, floor drains (to sewers), entries and vestibules, offices, locker rooms, machine rooms, boiler rooms, garages, mop closets and storage (after canning or bottling).

Apply to baseboard areas, around water pipes, surfaces behind and beneath sinks, lockers, tables, pallets and similar areas where insects hide or through which they may enter.

PESTS OUTDOORS:

General Information: Use WESTBAN-2E for control of certain pests of lawns and ornamental plants, for area-control of ticks, and for mosquito control. Consult the following directions for dosage and application details to control the pests listed.

Pests of Lawns and other Ornamental and Recreational Turf Grass Areas: Use WESTBAN-2E Insecticide to control ants, brown dog ticks, chinch bugs, crickets, cutworms, earwigs, grassworms, and sod webworms (lawn moths). Mix WESTBAN-2E with water according to directions given in the following table and apply as a coarse, low-pressure spray using suitable application equipment. For best results, the lawn should be moist at time of treatment, and care should be taken to obtain complete and uniform coverage of pest-infested areas. Spray when pests first appear, retreat when needed.

2 DOSAGE AND DILUTIONS FOR USE ON TURF

Area to be Treated	Amount of WESTBAN-2E	Dilute with Water to Give
500 sq ft	3 1/2 fl oz	15 gallons
1,000 sq ft	1 1/2 fl oz	30 gallons
5,000 sq ft	7 1/2 fl oz	150 gallons
10,000 sq ft	1 1/2 qt	325 gallons
One Acre	2 quarts	1,300 gallons

To control certain white grubs (larvae of European spruce sawfly and Japanese beetle), use WESTBAN-2E Insecticide in amounts of WESTBAN-2E per 100 sq ft of turf as follows: 1 1/2 fl oz per 1,000 sq ft and 7 1/2 fl oz per 5,000 sq ft. Apply with coarse spray water to saturate turf to a depth of 2 to 3 inches.

USE-DIRECTIONS

PESTS INDOORS:

General Information: Use WESTBAN-2E Insecticide as a spot treatment to control cockroaches, ants, crickets, firebrats, silverfish, spiders, and brown dog ticks in and around residential, institutional, and commercial buildings, including homes, apartment buildings, hospitals, stores and warehouses. Dilute WESTBAN-2E with water or with a suitable base oil to make a 0.25% or 0.5% chlorpyrifos spray as shown in the following SPRAY DILUTION CHART. Apply according to directions given for pests listed. Repeat the treatment as needed.

1 SPRAY DILUTION CHART

Gallons of Spray Mixture Desired	Fluid Ounces* of WESTBAN-2E to Use	
	0.25% spray	0.50% spray
Water-base spray:		
1	1 1/2	2 2/3
3	4	8
5	6 2/3	13 1/3
10	13 1/3	26 2/3
Oil-base spray**		
1	1	2
3	3	6
5	5	10
10	10	21

*Note: 1 fluid ounce = 2 tablespoons = 6 teaspoons
**Calculated on basis of deodorized kerosene

PESTS INDOORS:

Cockroaches (including strains resistant to certain other insecticides), **Ants, Crickets, Firebrats, Silverfish, Spiders:** Use a 0.25% spray to control light infestations and a 0.5% spray to quickly reduce heavy infestations. Apply as a coarse spray or with a paint brush to localized areas where these pests are found or normally occur, including dark corners of rooms and closets, cracks and crevices in walls, along and behind baseboards, beneath and behind sinks, stoves, refrigerators and cabinets, around plumbing and other utility installations. For ants, apply to ant trails, also around doors and windows and wherever else these pests may find entrance. Note: A period of 4 to 7 days is normally required for maximum effect on cockroaches.

Brown Dog Ticks: Thoroughly apply a 0.5% spray as a spot treatment to infested areas such as pet beds and resting quarters, nearby cracks and crevices, along and behind baseboards, window and door frames, and localized areas of floor and floor covering where these pests may be present. Old bedding of pets should be removed and replaced with clean, fresh bedding after treatment. **Do not treat pets with this product.**

WARNING (Pests Indoors): For Spot Application Only. Do not use in poultry houses, other animal buildings, or in edible products areas of food processing plants, restaurants, or other areas where food is commercially prepared or processed. Do not use in serving areas while food is exposed. Do not allow spray to contact food, feedstuffs, and water supplies. Thoroughly wash dishes and food-handling utensils with soap and water if they become contaminated by application of this product. Do not allow children or pets to contact treated surfaces until spray has dried. Remove pets and cover fish bowls (tanks) before spraying.

APPLICATIONS WITHIN FOOD AREAS OF FOOD-HANDLING ESTABLISHMENTS

CRACK AND CREVICE TREATMENTS ONLY:

Food Handling Establishments — (places other than private residences in which exposed food is held, processed, prepared or served) and **Food Areas** — **Application limited to crack and crevice treatment only:** Includes areas for receiving, storage, packing, (canning, bottling, wrapping, boxing) preparing edible waste storage and enclosed processing systems (mills, dairies, edible oils, syrups). Serving areas (when food is exposed and facility is in operation also would be considered a food area). Use Spray Dilution

Chart #1 for mixing instructions when applying WESTBAN-2E as a crack and crevice spray in food areas.

Apply in small amounts directly into cracks and crevices using equipment capable of delivering a pin stream of insecticide in points between different elements of construction, between equipment and floors, openings leading to voids and hollow spaces in walls, equipment legs and bases, conduits, motor housings, junction or switch boxes where **cockroaches, ants, crickets, firebrats, silverfish, spiders, and brown dog ticks** hide. Prior to application de-energize electrical equipment. After application, allow time for oil to evaporate before starting motors or placing switches in the "ON" position. Do not use this product in conduits, motor housings, junctions, and switch boxes when diluted with water.

Care should be taken to avoid depositing the product onto exposed surfaces or introducing the material into the air. Avoid contamination of food or food processing surfaces.

APPLICATIONS OF THIS PRODUCT IN THE FOOD AREAS OF FOOD HANDLING ESTABLISHMENTS, OTHER THAN AS A CRACK AND CREVICE TREATMENT ARE NOT PERMITTED.

SPOT TREATMENT ONLY:

Food Handling Establishments — (Places other than private residences in which exposed food is held, processed, prepared or served) and **Serving Areas** — Facilities where prepared foods are served, such as dining rooms, but excluding areas where foods may be prepared or held.

Apply as a spot treatment to selective surfaces such as baseboards, under elements of construction into cracks and crevices. Avoid treating surfaces likely to be contacted by food. (Do not apply when facility is in operation or foods are exposed.)

GENERAL TREATMENT:

Food Handling Establishments — (Places other than private residences in which exposed food is held, processed, prepared or served) and **Non-Food Areas.** Includes garbage rooms, laboratories, floor drains (to sewers entries and vestibules, offices, locker rooms, machine rooms, boiler rooms, garages, mop closets and storage (after canning or bottling).

Apply to baseboard areas, around water pipes, surfaces behind and beneath sinks, lockers, tables, pallets and similar areas where insects hide or through which they may enter.

PESTS OUTDOORS:

General Information: Use WESTBAN-2E for control of certain pests of lawns and ornamental plants, for area-control of ticks, and for mosquito control. Consult the following directions for dosage and application details to control the pests listed.

Pests of Lawns and other Ornamental and Recreational Turf Grass Areas: Use WESTBAN-2E Insecticide to control ants, brown dog ticks, chinch bugs, crickets, cutworms, earwigs, grassworms, and sod webworms (lawn moths). Mix WESTBAN-2E with water according to directions given in the following table and apply as a coarse, low-pressure spray using suitable application equipment. For best results, the lawn should be moist at time of treatment, and care should be taken to obtain complete and uniform coverage of pest-infested areas. Spray when pests first appear; retreat when needed.

2 DOSAGE AND DILUTIONS FOR USE ON TURF

Area to be Treated	Amount of WESTBAN-2E	Dilute with Water to Give
500 sq ft	3 1/2 fl oz	15 gallons
1,000 sq ft	1 1/2 fl oz	30 gallons
5,000 sq ft	7 1/2 fl oz	150 gallons
10,700 sq ft	1 pint	325 gallons
One Acre	2 quarts	1,300 gallons

To control certain white grubs (larvae of European chafer and Japanese beetle), use two to four times the amounts of WESTBAN-2E shown in the TURF table, i.e. 3 to 6 fl oz per 1,000 sq. ft. or 1 to 2 gallons per acre. Apply in enough water to obtain uniform coverage of the area treated

followed immediately by thorough watering to wash the insecticide into the turf. For best results, treat when grubs are young and actively feeding near the soil surface usually during late July and August. Consult your local Agricultural Extension Service specialist for proper time to treat in your area.

To control Turf Grass (Hyperodes) weevils use twice the amount of WESTBAN-2E shown in the above TURF table, i.e. 1 gallon diluted in 1,300 gallons of water per acre. Spray suspected problem areas in mid-April and again in mid-May. Consult your local Agricultural Extension Service specialist for proper time to treat in your area.

PESTS OUTDOORS:

Note: To help prevent infestation of buildings by ants, crickets, earwigs and sowbugs (pillbugs), treat a band of soil 6 to 10 feet wide around and adjacent to the building, also the building foundation to a height of 2 to 3 feet, where pests are active and may find entrance. Use the same dosage and dilution recommended for control of these pests on turf as shown in the above table. Apply as a coarse spray to thoroughly and uniformly wet the band area.

Pests of Ornamentals: Use WESTBAN-2E to control aphids, bagworms, cutworms, grasshoppers, leafhoppers, mealybugs, mites, spittlebugs, thrips (exposed) and whiteflies on flowers, shrubs, vines, shade and flowering trees, and evergreens found to be infested with these pests. Dilute WESTBAN-2E with water according to directions given in the following table and apply, using suitable hand or power spray equipment in a manner to provide complete and uniform coverage of infested plants. Avoid over-spraying to the point of excessive runoff. Treat when pests appear and repeat at 7 to 10-day intervals, if needed.

NOTE: Do not use on azaleas, camellias, poinsettias, rose bushes or variegated ivy because of possible injury to these plants.

3 DOSAGE AND DILUTIONS FOR USE ON ORNAMENTAL PLANTS

Pests Controlled	Amount of WESTBAN-2E in Water to Make		
	3 gallons	10 gallons	100 gallons
Aphids	0.5 fl oz	1.6 fl oz	1 pint*
Bagworms			
Grasshoppers			
Mites			
Spittlebugs			
Whiteflies			
Cutworms	1 fl oz	3.2 fl oz	1 quart**
Mealybugs			
Leafhoppers			
Thrips (exposed)			

*Equivalent to 4 ounces of chlorpyrifos per 100 gallons
**Equivalent to 8 ounces of chlorpyrifos per 100 gallons

NOTE: Mosquitoes coming to rest on areas treated for control of turf and ornamental plant pests will be killed for varying periods of time after treatment, depending on exposure of treated areas to weathering conditions.

WARNING

(Lawn and Ornamental Plant Pests): Keep children and pets off treated areas until spray has dried. Keep out of lawn and garden fishpools and other bodies of water. Fish may be killed if their waters are contaminated with this product. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from areas treated.

Area Control of Ticks: Use WESTBAN-2E to control ticks infesting non-crop land areas such as roadsides, footpaths, and trails, picnic and camping sites, parks and other recreational areas where these pests are present and create a nuisance or possible public health problem. Apply WESTBAN-2E in water at the rate of 1 pint per acre (equivalent to 1 fluid ounce per 2,700 sq. ft.) using a hydraulic sprayer, mist applicator, knapsack sprayer or other suitable hand or power spray equipment. Treat low, underbrush, grassy areas, weeds and ground surface and debris by

using enough spray volume to obtain thorough coverage, usually 40 to 100 gallons per acre.

WARNING

(Area Control of Ticks): Do not allow public use of treated areas during application or until spray has dried. Do not apply when weather conditions favor drift from treated areas. Do not apply where runoff into lakes, streams, ponds, or other bodies of water is likely to occur. Fish and crustaceans may be killed if their waters are contaminated with this product.

Mosquitoes: Apply WESTBAN-2E to mosquito-infested, non-crop areas according to the conditions and rates shown in the following table. Mix WESTBAN-2E with either water or oil, such as kerosene or No. 2 fuel oil, using sufficient spray volume to give uniform coverage of area treated. Apply the spray by using suitable application equipment such as hand and power ground-sprayers, mist applicators, and aerial spray equipment.

4 CONDITIONS AND RATES TO USE FOR MOSQUITO CONTROL

Condition of Area to Be Treated	Amount to Use per Acre		Number Acres 1 Gallon of WESTBAN-2E Will Treat
	WESTBAN-2E (fluid ounces)	Chlorpyrifos (pounds)	
Larval Control:			
None to medium vegetative cover	0.8 to 1.6	0.0125 to 0.025	160 to 80
Medium to heavy vegetative cover	1.6 to 3.2*	0.025 to 0.05*	80 to 40
Adult Control:			
Light to medium vegetative cover	1.6	0.025	80
Medium to heavy vegetative cover	3.2*	0.05*	40

*The higher dosage will also give faster knockdown and longer residual control where there is little or no vegetative cover.

WARNING (Mosquito Control): WESTBAN-2E is toxic to shrimp, crabs, and fish. Do not apply to water containing crustaceans and fish. Consult your State Fish and Game Department before using this product for mosquito control.

GENERAL USE-PRECAUTIONS

This product is highly toxic to bees exposed to direct treatment or residues on plants. Protective information may be obtained from your Cooperative Agricultural Extension Service.

Use this product only as specified on this label.

WARNING

KEEP OUT OF REACH OF CHILDREN.
MAY BE FATAL IF SWALLOWED.
MAY BE ABSORBED THROUGH SKIN.
MAY BE INJURIOUS TO EYES AND SKIN.
COMBUSTIBLE.

Do not get in eyes or on skin. Wash thoroughly after handling. Wash contaminated clothing before reuse. Flush contaminated eyes with plenty of water and get prompt medical attention. Avoid breathing vapors and spray mist. Avoid spraying food crops. Keep away from food, feedstuffs, and domestic water supplies. Keep container closed. Do not use, pour, spill, or store near heat or open flame. Handle concentrate in a ventilated area.

This product is toxic to fish, birds, and other wildlife. Keep out of lakes, streams, or ponds. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from areas treated. Shrimp and crab may be killed if application rates recommended on this label. Do not apply where these are important resources. Do not contaminate water by cleaning of equipment, or disposal of wastes. Promptly crush empty containers and bury them and wastes in locations away from domestic water supplies. Apply this product only as specified on this label.

Note to Physician: Chlorpyrifos is a cholinesterase inhibitor. Treat symptomatically. Atropine is an antidote.