

RATE CONVERSION CHART

Pounds Active/Acre	Fluid Ounces/Acre	Pints/Acre	Acres Treated/Gallons
0.06	2.56	0.16	50.0
0.08	3.41	0.21	37.5
0.10	4.27	0.27	30.0



ICI Agricultural Products
Wilmington, Delaware 19897
A Business Unit of ICI Americas, Inc.

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ACCEPTED
with COMMENTS
in EPA Label Dated:

12/12/1989

Use of this Pesticide, Insecticide, Fungicide, or Plant Growth Regulator is limited to uses registered with EPA Reg. No.

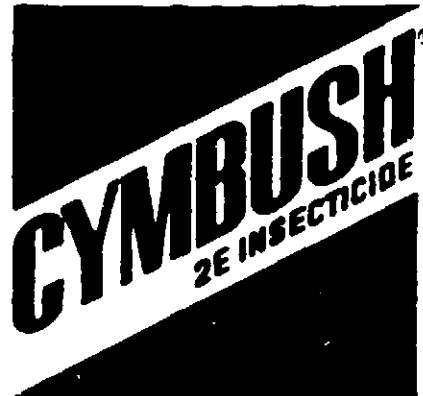
1082-64

RESTRICTED USE PESTICIDE

For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's notification.

**Keep Out of Reach of Children
WARNING**

See Pages 1-2 For Additional Precautionary Statements and Statement of Practical Treatment



**SUPPLEMENTAL
PAMPHLET**

**DIRECTIONS FOR USE
AVISO**

PRECAUCION AL USUARIO:
Si usted no lee ingles, no use este producto hasta que la etiqueta le haya sido explicado ampliamente

ACTIVE INGREDIENT

Cypermethrin
[1-cyano (3-phenoxyphenyl)
methyl (±)-cis, trans 3-(2,2-dichloroethyl)-2,2-dimethylcyclopropanecarboxylate] 25.3%

INERT INGREDIENTS 74.7%

TOTAL 100.0%

Contains xylene range aromatic solvents
*Cis/trans ratio 45/55 ± 10
CYMBUSH 2E contains 2 pounds active ingredient per gallon

Not for sale or distribution after December 31, 1988
Not for use after December 31, 1989

PRECAUTIONARY STATEMENTS

**HAZARDS TO HUMANS AND
DOMESTIC ANIMALS**

WARNING

MAY BE FATAL IF SWALLOWED. CAUSES EYE AND SKIN IRRITATION. HARMFUL IF ABSORBED THROUGH SKIN. MAY CAUSE ALLERGIC REACTIONS.

Do not get in eyes, on skin or on clothing. Avoid breathing vapors or spray mist. Wash thoroughly after handling. Wear protective clothing when spraying. Wear protective clothing, impermeable gloves, full face shield, rubber apron and boots when handling or mixing concentrate. When mixing/loading and spraying, wear mid-forearm to elbow length chemical-resistant gloves, boots or overshoes and gaiters which have long sleeves or long pants and face shield or goggles. Mixers/loaders should in addition wear a chemical-resistant apron.

As product must be closed before leaving. Clothing which has been drenched or heavily contaminated should be disposed of in accordance with state or local regulations. Instead of clothing and equipment specified above, the applicator can use an enclosed tractor cab with filtered air supply.

STATEMENT OF PRACTICAL TREATMENT:

IF SWALLOWED: Do not induce vomiting. Call a physician immediately. **IF IN EYES:** Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention. **IF ON SKIN:** Immediately remove contaminated clothing and wash with plenty of soap and water. Get medical attention if irritation persists. **IF INHALED:** Remove victim to fresh air. Apply artificial respiration if necessary.

NOTE TO PHYSICIAN: Inducing vomiting as first aid for this substance may result in increased risk of chemical pneumonia or pulmonary edema caused by aspiration of the hydrocarbon solvent. Vomiting should be induced only under professional supervision.

For 24-hour emergency assistance, call ICI Americas Medical Emergency Information Center: 1-800-327-8633.

ENVIRONMENTAL HAZARDS: The pesticide is extremely toxic to fish. Use with care when applying in areas adjacent to any body of water. Do not apply directly to water. Do not apply when weather conditions favor drift from treated areas. Do not contaminate water when disposing of equipment washwaters. This product is highly toxic to bees exposed to direct treatment or residues on crops or weeds. Do not apply CYMBUSH 2E or allow it to drift to crops or weeds on which bees are actively foraging. Additional information may be obtained from your Cooperative Extension Service. Apply this product only as specified on the label.

In case of a significant spill, call CHEMTREC, 800/424-9300.

PHYSICAL OR CHEMICAL HAZARDS: Do not use or store near heat or open flame.

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It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Apply CYMBUSH 2E as shown in the following chart, using sufficient spray to obtain full coverage of foliage. Apply every 5 to 7 days or as needed. Timing and frequency of applications should be based upon insect populations reaching locally determined economic thresholds. The use of less than recommended rates should only occur under conditions of high to moderate insect infestations.

RE-ENTRY STATEMENTS: Do not treat areas while unprotected humans or domestic animals are present in the treatment area.

Do not allow entry into treated areas without protective clothing until sprays have dried.

State re-entry regulations will apply if they are more restrictive than those stated on the label. Consult with State regulatory officials.

CHEMIGATION:

Sprinkler Irrigation Application

Apply CYMBUSH 2E at rates and timing described elsewhere in this label. Apply with center pivot or continuous-move equipment distributing 1/2 acre-inch or less during treatment. If stationary (solid sets, handlines or wheel lines other than continuous move) are used, CYMBUSH 2E should be injected into no more than the last 20-30 minutes of the set. Do not apply when winds are greater than 10-15 mph to avoid drift or wind sage. Thorough coverage of foliage is required for good control. Good agitation should be maintained during the entire application period.

Use Precautions - Sprinkler Irrigation Application

- A. Apply this product only through center pivot, lateral move, end furrow, side furrow, roll, traveler, big gun, solid set, or hand move irrigation systems. Do not apply this product through any other type of irrigation system.
- B. Crop injury, lack of effectiveness or illegal pesticide residues in the crop can result from nonuniform distribution of treated water.

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- C. If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.
- D. 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.
- E. 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.
- F. 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.
- G. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
- H. The pesticide injection pipeline must also contain a functional, normally closed, air-vented, pressure-relief 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.
- I. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
- J. 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 pesticide distribution is adversely affected.
- K. 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.

- L. Do not apply when wind speed favors drift beyond the area intended for treatment.
- M. Do not apply through chemigation systems connected to public water systems.

Posting Requirements

Posting of areas to be chemigated is required when 1) any part of a treated area is within 300 feet of sensitive areas such as residential areas, labor camps, businesses, day care centers, hospitals, outpatient clinics, nursing homes or any public areas such as schools, parks, playgrounds, or other public facilities not including public roads, or 2) when the chemigated area is open to the public such as golf courses or retail greenhouses.

Posting must conform to the following requirements. Treated areas shall be posted with signs at all usual points of entry and along likely routes of approach from the listed sensitive areas. When there are no usual points of entry, signs must be posted in the corners of the treated areas and in any other location offering maximum visibility to sensitive areas. The posted side of the sign shall face away from the treated area towards the sensitive area. The signs shall be printed in English. Signs must be posted prior to application and must remain posted until foliage has dried and soil surface water has disappeared. Signs may remain in place indefinitely as long as they are composed of materials to prevent deterioration and remain legible for the duration of the posting period.

All words shall consist of letters of least 2 1/2 inches tall, and all letters and the symbol shall be a color which sharply contrasts with the immediate background. At the top of the sign shall be the words KEEP OUT, followed by an octagonal stop sign symbol of least 6 inches in diameter containing the word STOP. Below the symbol shall be the words PESTICIDES IN IRRIGATION WATER.

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SPRAY RECOMMENDATIONS

Crop	Target Pests	Rate (lb a/A)	Remarks
Cotton	Cotton Bollworm Tobacco Budworm Boll Weevil Pink Bollworm Lygus Bug Cabbage Looper Cotton Leatherjacket Cutworm spp Thrips Beet Armyworm Flea Beetle Cotton Fleahopper Saltmarsh Caterpillar Whitefly Cotton Aphid*	0.06-0.10 (2.56-4.27 fl oz/A)	Apply as required by scouting reports, usually at intervals of 5 to 7 days. For boll weevil control spray on a 3 to 4 day schedule. Apply by air or ground. Use sufficient water to obtain full coverage of foliage. Do not apply more than 1.5 lb a/A per acre per season. In areas of the country where insects have a history of being highly susceptible to insecticides, available data indicate rates as low as 0.04 lb a/A will control light infestations of bollworm, budworm, pink bollworm, cabbage looper, and lygus. NOTE 1) The use of rates lower than 0.06 lb a/A should be used only in conjunction with intense field monitoring. 2) Do not use less than 0.06 lb a/A on initial (first) application because of the variation in size and age of insects present. CYMBUSH ZE may also be applied by air diluted with at least a once refined vegetable oil such as cottonseed oil or soybean oil. Apply using 1-2 quarts of finished spray per acre. CYMBUSH ZE may be applied in tank mixture with the following insecticides in accordance with label limitations and precautions. Label dosage rate should not be exceeded. Chlordaneform Malathion CURACRON*** LANNATE® Methyl Parathion LARVIN** GUTHION® LORSBAN® Do not apply within 14 days of harvest. Do not graze livestock in treated areas.

*Aids in Suppression
**Registration pending in California for tank mix use with CYMBUSH

SPRAY RECOMMENDATIONS (Cont.)

Crop	Target Pests	Rate (lb a/A)	Remarks
Pecans	Hickory Shuckworm Yellow Pecan Aphid Black Pecan Aphid Pecan Nut Casebearer Pecan Weevil	0.06-0.10 (2.56-4.27 fl oz/A)	Apply by ground equipment to the point of drip. The CYMBUSH ZE rates are based on a standard of 100 gallons of dilute spray per acre for smaller trees. For larger trees which could require 200-300 gallons of spray per acre, apply at the rate of 0.06-0.10 lb a/A/200-300 gallons of water. In order to calculate the correct gallons of water needed to spray one acre of your trees to the point of drip, you may need to conduct a test. If you do not know how to conduct such a test with your equipment, you should request assistance from your equipment dealer. Can be applied only prior to shuck/split and a PHI of at least 21 days must be observed. Do not apply more than 0.8 lb a/A per acre per season. Do not graze livestock on treated ground or cut treated cover crops for feed. CYMBUSH ZE may be applied in tank mixture with the following pesticides in accordance with label limitations and precautions. Label dosage rates should not be exceeded. BENLATE** LORSBAN** CYPREX** Super Tin® DI-SYSTON** SYSTON** Dufar® TOPSIN** EPN® ZOLONE** Ethion®

**Registration pending in California for tank mix use with CYMBUSH

STORAGE AND DISPOSAL PROMISIONS. Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited. Do not reuse empty container.

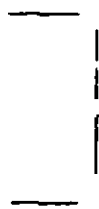
STORAGE: Keep container closed when not in use. Do not store near food or feed. Protect from freezing. In case of spill or leak on floor or paved surfaces, soak up with sand, earth or synthetic absorbent. Remove to chemical waste area.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or residue is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency or the hazardous waste representative of the nearest EPA Regional Office for guidance.

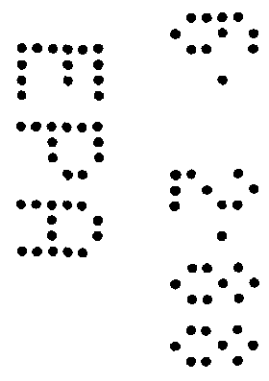
CONTAINER DISPOSAL: Metal Containers: Triple rinse (or equivalent). Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill or by other procedures approved by state and local authorities. Plastic Containers: Triple rinse (or equivalent). Then offer for recycling or reconditioning 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. Glass Containers: Triple rinse (or equivalent). Then dispose of in a sanitary landfill or by other approved state and local procedures.

wants that the product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use. This warranty does not extend to the use of this product contrary to label instructions, or under abnormal use conditions, or under conditions not reasonably foreseeable to Seller, and Buyer and User assume the risk of any such use. SELLER DISCLAIMS ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED INCLUDING ANY WARRANTY OF FITNESS OR MERCHANTABILITY. SELLER SHALL NOT BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT AND SELLER'S SOLE LIABILITY AND BUYER'S AND USER'S EXCLUSIVE REMEDY SHALL BE LIMITED TO THE REFUND OF THE PURCHASE PRICE.

- BENLATE® and LANNATE® - Reg TMs of E I du Pont de Nemours & Co Inc
- CYMBUSH® - Reg TM of ICI Americas Inc
- CYPREX® - Reg TM of American Cyanamid Co
- CURACRON® - Reg TM of Ciba-Geigy Corporation
- DI-SYSTON® and SYSTOX® - Reg TMs of Mobay Corporation
- GUTHION® - Reg TM of Parent Company of Farbwerke Bayer GmbH Leverkusen
- LARVIN® - Reg TM of Union Carbide Agricultural Products Co Inc
- LORSBAN® - Reg TM of the Dow Chemical Company
- TOPSIN® - Reg TM of Pennwalt Corporation
- ZOLONE® - Reg TM of Rhône-Poulenc Inc

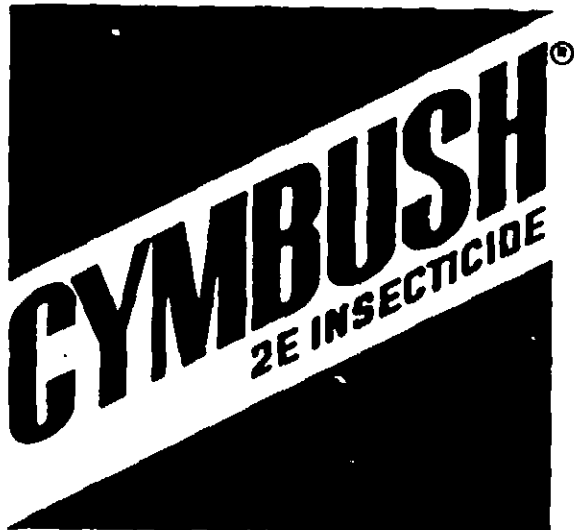


NOTES



RESTRICTED USE PESTICIDE.

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**Keep Out
of Reach
of Children**

WARNING

See Side Panel for Additional
Precautionary Statements and
Statement of Practical Treatment

Net Contents

ONE U.S. GALLON
(3.79 LITERS)

Batch No.

EPA Establishment No. 5995 AR 1
EPA Reg. No. 18182-64
U.S. Patent No. 4,024,163

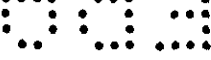
ICI Americas Inc.
Newark, NJ 07102
Manufactured in U.S.A.

ACTIVE INGREDIENT:
Cypermethrin
(1S)-cyano(1-phenylethoxy) methyl ester
from 3-(2,2-dichloroethyl)
2-methylcyclopropanecarboxylate

INERT INGREDIENTS

Contains 100 g/5.5 L 1.0
CYMBUSH 2E contains 7 percent active ingredient per gallon.
Contains xylene range aromatic solvents.

Now for sale or distribution after December 31, 1988.
No for use after December 31, 1989.



25.32
74.72
100.00%

STORAGE AND

PROHIBITIONS: Do not container storage or disposal. Open burning is prohibited.

STORAGE: Keep container closed when not in use. Protect from freezing. In case of spill, clean up with sand, earth or dry chemical waste area.

PESTICIDE DISPOSAL: Prohibit incineration or disposal of excess pesticide. Violation of Federal law. If these wastes according to label instructions, contact your nearest Control Agency or the Hazardous Waste EPA Regional Office for guidance.

CONTAINER DISPOSAL: Note (to equivalent). Then offer for recycling or reuse. Dispose of in a sanitary landfill or by other means and local authorities. Plastic Containers: Then offer for recycling or reconditioning. Sanitary landfill by incineration or if plastic by burning. If burned, stay out of smog (toxic) (toxic) (toxic). Then dispose other approved state and local procedures.

RATE CONVERSION

Pounds Active/Acre	Gallon Drench/Acre	Per Gallon
0.08	2.56	
0.08	3.41	
0.10	4.27	

NOTICE TO BUYER AND USER: Seller warrants that description on the label is reasonably true for the use of this product under normal conditions of use of this product. Seller is not responsible for any use of this product contrary to label instructions, or for any damage or injury resulting therefrom. Seller warrants that the product is as described on the label. Seller's liability for any damage or injury resulting from the use of this product shall be limited to the purchase price of this product and shall be limited to the extent of the actual damage or injury.

ACCEPTED
with COMMENTS
in EPA Letter Dated:

JUN 12 1989

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended for the pesticide registered under EPA Reg. No.

0189-64

INK RECORDED
DMS: 251
ENC. 1251
BLACK

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Apply CYRUSUSH E as shown in the following chart using sufficient spray to obtain full coverage of foliage. Apply every 5 to 7 days or as needed. Timing and frequency of applications should be based upon insect populations reaching locally determined economic thresholds. The use of less than recommended rates should only be for control conditions, or light to moderate insect infestations.

RE-ENTRY STATEMENTS

Do not treat areas where unprotected children or domestic animals are present in the treatment area. Do not allow entry into treated areas without protective clothing until sprays have dried.

State or other regulations may apply. They are more restrictive than those stated on the label. Consult with State regulatory officials.

SPRAY RECOMMENDATIONS

Crop	Insect Pests	Rate (lb/acre)	Remarks
Corn	Corn Earworm Tobacco Budworm Fall Webworm Fall Armyworm Cotton Bollworm Cotton Loopers Cottonworm Cotton Fleahopper Cotton Rootworm Cotton Bollworm Cotton Fleahopper Cotton Rootworm Cotton Bollworm Cotton Fleahopper Cotton Rootworm	0.05-0.10 (2.5-4.2) 1.0-4.0	Apply as reported by spraying no. 200 nozzle at intervals of 5 to 7 days. For best overall control spray on a 3 to 4 day schedule. Apply to soil or ground. Use sufficient water to obtain full coverage of foliage. Do not apply more than 1.0 lb of active ingredient per acre. In areas of high density where insects have a history of being highly susceptible to insecticides, use a higher rate, 2.5 to 4.0 lb of active ingredient per acre. Do not exceed the maximum application rate of 4.0 lb of active ingredient per acre. NOTE: 1) The use of a rate more than 0.05 lb/acre should be used only in conjunction with complete field monitoring. 2) Do not use less than 0.05 lb/acre on most of the application because of the vapors in soil and age of 7 days before. CYRUSUSH E may also be applied by air diluted with at least a once refined vegetable oil such as canola oil or soybean oil. Apply using 1.7 quarts of finished spray per acre. CYRUSUSH E may be applied in tank mixtures with the following pesticides in accordance with label directions and precautions. Label dosage rates should not be exceeded: Chlorpyrifos - DITHIOPHOS Cyanazine - LAMMATE Larvae - LARVID Malathion - MALATHION Methidathion - MATHION Do not apply within 14 days of harvest. Do not graze livestock or treated areas.
Peanut	Woolly Aplanthid Yellow Nymph Black Nymph Peanut Aphid Cotton Fleahopper Peanut Aphid	0.05-0.10 (2.5-4.2) 1.0-4.0	Apply by ground equipment to the ground at 0-4 inches. The CYRUSUSH E rates are based on a standard of 100 gallons of dilute spray per acre for medium to large trees which could require 700-300 gallons of spray per acre. Apply at the rate of 0.05-0.10 lb of active ingredient per acre. In order to calculate the correct gallons of water required to spray one acre of your trees to the point of drip you may wish to conduct a test. If you do not know how to conduct such a test with your equipment, you should request assistance from your equipment dealer. Can be applied only prior to growth and a PPH of at least 21 days must be observed. Do not apply more than 0.10 lb of active ingredient per acre. Do not graze livestock on treated ground or on treated cover crops for feed. CYRUSUSH E may be applied in tank mixtures with the following pesticides in accordance with label directions and precautions. Label dosage rates should not be exceeded: BE BLAT® CYRUSUSH E DI SYSTON® LORSBAN® TOPSIN® Sageo™ ZOLA™

*Rate in Suspension

BE BLAT® and LAMMATE® - Reg. No. 1011 - Du Pont de Nemours & Co. Inc.
CYRUSUSH E - Reg. No. 1011 - Du Pont de Nemours & Co. Inc.
DITHIOPHOS® - Reg. No. 1011 - Du Pont de Nemours & Co. Inc.
LARSAN® - Reg. No. 1011 - Du Pont de Nemours & Co. Inc.
MALATHION® - Reg. No. 1011 - Du Pont de Nemours & Co. Inc.
MATHION® - Reg. No. 1011 - Du Pont de Nemours & Co. Inc.

DI SYSTON® - Reg. No. 1011 - Du Pont de Nemours & Co. Inc.
LARSAN® - Reg. No. 1011 - Du Pont de Nemours & Co. Inc.
LORSBAN® - Reg. No. 1011 - Du Pont de Nemours & Co. Inc.
TOPSIN® - Reg. No. 1011 - Du Pont de Nemours & Co. Inc.
SAGEO™ - Reg. No. 1011 - Du Pont de Nemours & Co. Inc.
ZOLA™ - Reg. No. 1011 - Du Pont de Nemours & Co. Inc.

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HAZARDS TO HUMANS AND
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STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED Do not induce vomiting. Call a physician immediately.
IF IN EYES Flush eyes with plenty of water. Call a physician if irritation persists.
IF ON SKIN Wash with plenty of soap and water. Get medical attention if irritation persists.

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