

Reg # 45639-1

PM-19

File
196



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

MAR 4 1994

Paula F. Paul
NOR-AM CHEMICAL CO.
Little Falls Centre One
2711 Centerville Road
Wilmington, DE 19808

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Subject: Label Amendment Submission of 07/29/93 in Response to PR Notice 93-7
EPA Reg. No. 45639-1
FICAM W

Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is accepted. A copy of your proposed labeling stamped "ACCEPTED WITH COMMENTS" is enclosed.

WHAT THIS ACCEPTANCE MEANS:

Based on your certification, the Agency has accepted the labeling changes that are necessary to comply with the Worker Protection Standard (WPS) labeling requirements of 40 CFR part 156, subpart K, described in PR Notices 93-7 and 93-11. Any other labeling changes submitted in connection with this amendment application but not directly related to compliance with the WPS have not been reviewed or accepted by the Agency. If you wish to make such changes, you must submit a separate amendment application proposing them. If your product is currently suspended, the acceptance of this labeling amendment does not affect the suspension in any way.

WHAT YOU NEED TO DO NEXT:

Send to EPA one (1) copy of the final printed labeling:

- BEFORE selling or distributing any product bearing the final printed labeling
- AND
- WITHIN one year from date of this acceptance.



Recycled/Recyclable
Printed with SoyCandle Ink on paper that
contains at least 50% recycled fiber

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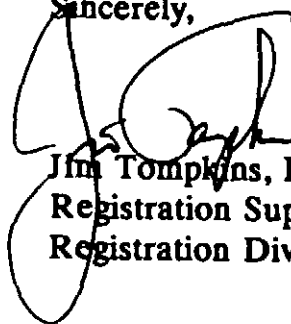
Submit the final printed labeling via the U.S. Postal Service to:

Document Processing Desk (FIN-LABEL)
Office of Pesticide Programs (7505C)
U.S. Environmental Protection Agency
401 M Street, SW
Washington, D.C. 20460-0001

Hand or courier deliveries of final printed labeling may be made to:

Document Processing Desk (FIN-LABEL)
Office of Pesticide Programs
Room 266A, Crystal Mall 2
1921 Jefferson Davis Highway
Arlington, VA 22202

Sincerely,



Jim Tompkins, Deputy Chief
Registration Support Branch
Registration Division (7505W)

Attachment

SPECIMEN LABEL

Out of Scope Label

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ACCEPTED
with COMMENTS
In EPA Letter Dated

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MAR 4 1994

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

45639-1

Ficam® W

76% WETTABLE POWDER INSECTICIDE

**RECOMMENDED FOR USE ONLY BY PEST CONTROL OPERATORS
NOT FOR SALE OR USE IN CALIFORNIA**

ACTIVE INGREDIENT:	Percent by Weight
Bendiocarb: (2,2-dimethyl-1,3-benzodioxol-4-yl methylcarbamate*)	76%
INERT INGREDIENTS:	24%
TOTAL	100%

EPA Reg. No. 45639-1

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

KEEP OUT OF REACH OF CHILDREN WARNING — AVISO STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person. Get medical attention.

IF INHALED: Keep patient strictly at rest and transfer to hospital immediately to get medical attention.

IF ON SKIN: Wash with soap and warm water.

IF IN EYES: Rinse thoroughly with clean water.

NOTE TO PHYSICIAN: Contains anticholinesterase carbamate insecticide. In cases of overexposure, atropine sulfate—2mg (equivalent to 1/4 grain adult dose) should be given and repeated as necessary until fully atropinized.

NOR-AM
NOR-AM CHEMICAL COMPANY
A Sandoz Company

SPECIALTY PRODUCTS DIVISION
Little Falls Centre One
2711 Centerville Road
Wilmington, DE 19808

NET CONTENTS

* Protected by U.S.
Patent No. 4,056,625

IMPORTANT: Read the entire Directions for Use, Precautions and Disclaimer of Warranties before using this product.

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS
AND DOMESTIC ANIMALS
WARNING**

Harmful or fatal if swallowed. May be absorbed through the skin. Avoid contact with the eyes, skin, and clothing. If contact occurs, wash skin and clothing immediately with soap and warm water, and eyes with clean water.

Do not rub eyes or mouth with hands. If you feel sick in any way, STOP WORK and get help right away. See First Aid (Practical Treatment) section.

Avoid breathing and working in spray mist or dust.

When applying in outdoor sites keep all unprotected persons, children, and animals away from treated area or where there is danger of drift.

Wash hands and exposed skin before eating, drinking or smoking and after spraying or handling. Wash all contaminated clothing thoroughly before re-use.

Do not apply to humans, their clothing or bedding.

Do not permit children or pets to contact treated surfaces until spray has dried completely.

With proper spraying, FICAM® W does not result in a visible deposit.

However, if unevenly applied, or sprayed to run-off, a visible deposit may occur on some dark surfaces. Do not spray where electrical short circuits might result.

Do not use or contaminate fruit, vegetables or other feed or food crops.

Do not store near food or food products and do not contaminate these or food preparation surfaces, dishes, kitchen utensils and food containers with either concentrate or spray.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and wildlife. Do not apply directly to water or wetlands (swamps, bogs, marshes, and potholes). Runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwaters.

This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

STORAGE AND DISPOSAL

STORAGE: Stable at normal temperatures. Store in a dry place.

PESTICIDE DISPOSAL: Do not contaminate water, food, or feed by storage or disposal.

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

DO NOT REUSE ORIGINAL CONTAINERS.

CONTAINER DISPOSAL:

□ Packet—Completely empty packet into application equipment. Then dispose of empty packet in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

□ Poly Jar—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.

IN CASE OF FIRE, LEAKY OR DAMAGED CONTAINERS, OR OTHER EMERGENCY, REPORT AT ONCE BY TOLL-FREE TELEPHONE TO: 800-424-9300.

GENERAL INFORMATION: FICAM W is a wettable powder containing 76% by weight active ingredient which has given effective knockdown and residual control of those insects listed below.

FICAM W does not damage paints, plastics, fabrics or other surfaces where water alone causes no damage.

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 through any type of irrigation system.

Thoroughly wash out sprayer and strainer with water and detergent before using FICAM W.

For use by Professional Applicators for residual pest control in and on buildings and structures and their immediate surroundings and on modes of transport. Permitted areas of use include, but are not limited to, stores, warehouses, industrial buildings, houses, apartment buildings, mausoleums, laboratories, schools, nursing homes, hospitals, restaurants, hotels and food manufacturing, processing and servicing establishments and on vessels, aircraft, rail cars, buses, trucks and trailers.

Applications should be made to hiding places, runways, and other places where pests are found.

Pay particular attention to: cracks and crevices; around water and sewer pipes; under and behind cabinets, refrigerators and sinks; around window and door frames; along baseboards; in attics and crawl spaces.

FICAM W is intended for dilution with water for application with hand or power-operated sprayers. If water pH is greater than 8, add a commercial buffering agent to adjust water pH to 7 or less. The activity of FICAM W at pH 8 or greater may be reduced. Do not use strainers finer than 100 mesh size. When using hand sprayers, fill with the desired volume of water, add FICAM W, close tightly, and invert sprayer several times before use to insure proper suspension of the wettable powder. Re-invert sprayer before use if spraying is interrupted.

Repeat treatments as necessary to maintain adequate control.

Dosage Chart: For Conventional Spray Volumes

Use the white scoop provided for measuring from the poly jar. Each level scoopful contains 0.4 oz. FICAM W, which equals one packet.

1. One packet or scoop (0.4 oz.) of FICAM W mixed in one gallon of water yields approximately 0.25% ai bendiocarb.
2. Two packets or scoops (0.8 oz.) of FICAM W mixed in one gallon of water yields approximately 0.50% ai bendiocarb.
3. One pound of FICAM W mixed in forty gallons of water yields approximately 0.25% ai bendiocarb.

INDOOR USE

Cockroaches (including both nonresistant and organophosphate and organochlorine resistant strains), **Ants**, **Crickets**, **Silverfish** and **Firebrats**: Mix one packet or one scoop of FICAM W per gallon of water and apply as a coarse low pressure spot or crack and crevice spray to areas where these pests hide, such as baseboards, storage areas, closets, around water pipes, doors and windows, behind and under refrigerators, cabinets, sinks and stoves, the underside of shelves, drawers and similar areas. For ants, apply to ant trails, around doors and windows and other places where ants enter premises.

Adult Mosquito Control: Residual indoor spray to reduce annoyance from mosquitoes. Mix 4 packets or 4 scoops of FICAM W per gallon of water and spray around doors, windows and screens and other places where mosquitoes may enter the premises. Mosquitoes coming to rest on treated surfaces will be killed.

Repeat treatment when effectiveness diminishes.

Carpenter Ants: Mix one packet or one scoop of FICAM W per gallon of water and apply to ant trails, around doors and windows and other places where ants enter premises. Where possible, apply FICAM W directly to ant nest or infested wood.

Termites: Mix one packet or one scoop of FICAM W per gallon of water and apply to voids or channels in damaged wooden members of a structure, or to cracks, spaces or bearing joints between wooden members of a structure or between such members and the foundations, in locations vulnerable to termite attack such as crawl spaces. Drilling may be necessary prior to applying FICAM W to voids, cracks or joint spaces in vulnerable

locations and to channeled sections of wood but it must be recognized that such drilling and treating of a timber in place may not result in complete coverage of infested and vulnerable voids or galleries. All treatment holes drilled in construction elements in commonly occupied areas of structures must be securely plugged.

The purpose of such applications of FICAM W is to kill workers or winged reproductive forms which may be present in the treated channels and spaces at the time of treatment and to impart a temporary resistance at these places to termite attack which may aid, in some part, in the prevention of immediate re-infestation by termites. Such applications are not a substitute for mechanical alteration, soil treatment or foundation treatment but merely a supplement, particularly where use of other insecticides may pose an odor problem.

Do not apply solution until location of heat or air conditioning ducts, vents, water and sewer lines and electrical conduits are known and identified. When located, applications may be made around these structures. However, caution must be taken to avoid contamination of these structural elements and airways.

Brown Dog Ticks and Fleas in Buildings: Mix one packet or one scoop of FICAM W per gallon of water and thoroughly apply spray to infested areas such as pet beds and resting quarters, nearby cracks and crevices, rugs and floor coverings, and under their edges, between and under cushions of upholstered furniture and other areas where these pests may be present. Entire rugs may be treated. Apply the spray evenly (approx. 1 gal/800 ft.²) to rugs and furniture. Old bedding of pets should be removed and replaced with clean fresh bedding after treatment of pet areas. Additionally, insure that pets are treated with an EPA approved product registered for such use. Do not treat pets or their bedding with this product. Do not permit children or pets to contact treated surfaces until spray has dried completely.

Japanese Beetles—Aircraft: Mix one packet or one scoop of FICAM W per gallon of water. Apply to areas where beetles may enter or be found such as carpets, under seats, storage areas, closets, around doors, behind and under galley equipment, in cargo holds and wheel wells.

Spiders (Including Black Widow Spiders): Mix one packet or one scoop of FICAM W per gallon of water and apply to infested baseboards, window and door frames, corners, pipes, storage localities, attics and under eaves. Make spot applications to other areas over which these pests may crawl.

Wasps and Bees: Mix one packet or one scoop of FICAM W per gallon of water and thoroughly spray nest and entrance and surrounding areas where insects alight. It is generally advisable to spray the nests in the evening when the insects are less active and have returned to the nest. For best results, check nest carefully one or two days after spraying to insure complete kill, then remove and destroy nest to prevent emergence of newly hatched insects.

Sowbugs, Pillbugs, Ground Beetles, Earwigs, Millipedes, Centipedes and Scorpions: Mix one packet or one scoop of FICAM W per gallon of water and apply around doors and windows, and other places where these pests may enter premises. Spray baseboards, storage areas and other locations where these pests are found.

Pantry Pests—Grain Beetles (Rusty, Merchant and Saw-toothed), Flour Beetles (Red and Confused), Drugstore Beetles, Rice Weevils, Lesser Grain Borers, Spider Beetles and Tobacco Moths: Treat exposed stages. Mix one packet or one scoop of FICAM W per gallon of water. Remove all foodstuffs, shelving paper and utensils from area to be treated. Apply FICAM W to cupboards and shelves and allow to dry. Cover with shelving paper prior to replacement of food and utensils. Infested foodstuffs should be destroyed.

Carpet Beetles (Black, Furniture and Varied): Mix one packet or one scoop of FICAM W per gallon of water. Apply as spot applications on and under edges of floor coverings, under rugs and furniture, and in closets or other localities where these insects are found. Entire rugs may be treated.

Note: Where it is desired to obtain a longer period of control of all of the above pests in areas where access is difficult or where deposits will not be quickly removed by cleaning, apply FICAM W at a rate of two packets or two scoops per gallon of water. This rate may also be used to quickly reduce heavy infestations of cockroaches.

Webbing Clothes Moths: Mix two packets or two scoops of FICAM W per gallon of water and apply spray as spot application in closets and other storage areas where webbing clothes moths are found. This treatment is an adjunct treatment and will not control moth larvae already on the clothes. Do not apply FICAM W to clothing.

FICAM W has consistently provided control of all of the above insects for 30 and often for 60 days.

Interior Plants: Refer to the ornamental pests recommendations in the Outdoor Use section.

Food Handling Establishments: Places other than private residences in which food is held, processed, prepared or served.

Food Areas: Application limited to spot or crack and crevice treatments only. For spot treatments, no individual spot will exceed two (2) square feet.

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 are also considered a food area.

Prepare a spray solution as directed above and apply in small amounts directly into cracks and crevices using equipment capable of delivering a pinstream 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 where cockroaches, ants, silverfish, firebrats, spiders and crickets hide. Spot treatment using coarse spray may also be made to areas where any of the above pests hide or inhabit such as baseboards, storage areas, closets, around water pipes, doors and windows, behind and under refrigerators, cabinets, sinks, stoves and other equipment, the underside of shelves, drawers and similar areas.

Make applications using low pressure to avoid possible atomization or splashing of the spray. Avoid contamination of food or food processing surfaces.

Non-Food Areas: FICAM W may be used as a crack and crevice treatment or as a spot application in non-food areas. All areas where insects hide or through which insects may enter should be treated.

This product is authorized for use in non-food areas of Federally Inspected Meat and Poultry Plants.

OUTDOOR USE

Not for use in greenhouses or on plants being grown for sale or other commercial use or for commercial seed production. For use only on plants used for aesthetic purposes or climate modifications in interior landscapes, ornamental gardens, parks, lawns, or grounds.

Perimeter Treatment: Residual spray for control of ants, bees, brown dog ticks, centipedes, cockroaches, crickets, earwigs, firebrats, fleas, ground beetles, millipedes, pillbugs, scorpions, silverfish, sowbugs, spiders (including Black Widow Spiders), and wasps. Mix one packet or one scoop of FICAM W per gallon of water and apply as a residual spray or with a paint brush to surfaces of buildings, porches, screens, window frames, eaves, patios, garages and other areas where these pests congregate.

To help prevent infestations of buildings by the above pests, treat a band of soil and vegetation 6 to 10 feet wide around and adjacent to the building. Also, treat the building foundation to a

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height of 2 to 3 feet where pests are active and may find entrance. Mix one packet or one scoop of FICAM W per gallon of water and apply as a coarse spray to thoroughly and uniformly wet the band area.

Yard Treatment: For the control of nuisance pest populations of ants, crickets, spiders, ground beetles, ticks, sowbugs, and pillbugs, mix one packet or one scoop of FICAM W in FIVE gallons of water and apply as a coarse spray to thoroughly wet the treated areas.

Ornamental Pests: Use FICAM W to control specified pests on nonedible ornamentals such as: Ageratum, Asarina, Azalea, Baby's-breath, Begonia, Boxweed, Calendula, Cedar, Celosia, Chrysanthemum, Coleus, Daffodil, Dahlia, Dianthus, Euonymus, Ferns, Ficus, Flowering almonds, Flowering crab apples, Four-o'clock, Fuchsia, Gazania, Geranium, Holly, Hydrangea, Hypoestes, Impatiens, Iris, Ivy, Japanese yew, Juniper, Kalandra, Lilac, Lily of Valley, Marigold, Mimosa, Nasturtium, Nicotiana, Oleander, Pachysandra, Pansy, Petunia, Pine, Portulaca, Pyracantha, Rhododendron, Rose, Salvia, Schefflera, Shasta daisy, Snapdragon, Spirea, Taxus, Verbena, Vinca and Zinnia.

This product is highly toxic to bees exposed to direct treatment or to residues on plants.

Do not use on Cardoon, since plant injury may occur.

IMPORTANT: FICAM W has demonstrated excellent plant safety; however, all species and varieties have not been tested. When treating large numbers of plants of a single variety, treat a few plants and observe prior to full-scale application.

Apply FICAM W to point of run-off using recommended rates indicated below:

GYPSY MOTH

Egg Mass Treatment: Mix 4 oz. of FICAM W per 100 gallons of water and apply to egg masses until saturation. Applications can be made up to 3 weeks before gypsy moth hatch.

Larvae Treatment: Residual Foliar and Contact Spray: Mix 3 oz. of FICAM W per 100 gallons of water and apply to the whole tree (wood and leaves). This will control all larvae stages. If required for optimum control in heavily infested areas, applications can be made every two weeks.

Supplementary Residual Trunk Spray: When large larvae (1-2½", 4-6 instars) are mobile and seeking resting places and a foliage spray is impractical, mix 2.5 lbs. of FICAM W per 100 gallons of water and apply to tree trunks until fully saturated, making sure to treat cracks and crevices. A harborage (burlap or tape hands) is recommended to keep the larvae on the treated surface. If required for optimum control in heavily infested areas, applications can be made every two weeks.

DOSAGES AND DIRECTIONS FOR USE ON ORNAMENTAL PLANTS

PEST	AMOUNT OF FICAM W ¹ per 100 gallons of water
Chrysanthemum aphid, Eastern tent caterpillar, Green apple aphid, Hemispherical scale, Florida wax scale	3 oz.
Brown soft scale, Spirea aphid, Tee scale, Citrus mealybug, Hawthorn lacebug, Fall webworm, Euonymus scale	6 oz.
Japanese beetle, Thrips, Azalea lacebug, Azalea caterpillar, Taxus mealybug (adults), Elm leaf beetle, Willow leaf beetle (larvae), Poplar tent maker, Yellownecked caterpillar, Spring Cankerworm, Bagworm, Sycamore lacebug, Oleander caterpillar, Oleander aphid	11 oz.
Mimosa webworm, Obscure root weevil (adults)	1 lb.
Greenhouse whitefly, Citrus blackfly (larvae), Black vine weevil, Pine spittlebug, Azalea caterpillar, Bronze birch borer ²	1 lb. 5 oz.
Nantucket pine tip moth ³	2 lbs.
Pales pine weevil, Northern pine weevil, Azalea leafminer	2 lbs. 10 oz.

¹When measuring small amounts of product, use the 1 oz. scoop provided.

²Bronze Birch Borer: Use 3 sprays, spaced two weeks apart.

³Spray at the time of moth flight for each generation.

Consult local Cooperative Extension Authorities regarding time of moth flights in your area.

Home Turf Pests: Apply FICAM W as a coarse, low-pressure spray in sufficient water to obtain complete and uniform coverage of pest-infested areas, according to the directions in the table below:

PEST	DOSAGE	APPLICATION PROCEDURE
White grubs of: Japanese beetle Black turf grass Aeneas European chafer Northern masked chafar Green June beetle Annual white grub Mole crickets	1-2 oz. per 1000 sq. ft.	Apply when pests become evident. Control of grubs is best when they are still small; therefore late summer treatments are preferable to spring. Apply in adequate water to ensure coverage, then irrigate thoroughly with ½-¾ inch of water.
Chinch bugs Sod webworm Leafhoppers	0.5-1 oz. per 1000 sq. ft.	Apply when pests are evident. Use adequate quantity of water to thoroughly moisten grass and thatch.

Fire Ants: Mix FICAM W as recommended in the table below. Two gallons of mixture are recommended for mounds 8 inches or larger in diameter. Less mixture can be used on smaller mounds; however, thorough penetration of insect galleries must be achieved. Apply a small amount of material around the perimeter of the mound. Apply the remaining volume directly on the mound so as to penetrate insect galleries. A second treatment may be necessary if complete control is not obtained.

Do not disturb the mound prior to application. If possible, make applications after a recent rainfall. Applications may not be as effective during hot, dry periods. If possible, treat all colonies in the vicinity. Also, treat colonies which have not yet constructed a mound.

DOSAGE TABLE

AMOUNT OF FICAM W	AMOUNT OF WATER
2-3 teaspoons 1 pkg. or 1 scoop (0.4 oz.)	2 gallons 8 gallons

IMPORTANT: READ BEFORE USE

By using this product, user or buyer accepts the following conditions, warranty, disclaimer of warranties and limitations of liability.

CONDITIONS: The directions for use of this product are believed to be adequate and should be followed carefully. However, because of extreme weather and soil conditions, manner of use and other factors beyond NOR-AM Chemical Company's control, it is impossible for NOR-AM to eliminate all risks associated with the use of this product. As a result, crop injury or ineffectiveness is always possible. All such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OR MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, WHICH EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of NOR-AM Chemical Company is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. UNDER NO CIRCUMSTANCES SHALL NOR-AM CHEMICAL COMPANY BE LIABLE FOR ANY SPECIAL, INDIRECT, OR CONSEQUENTIAL DAMAGES RESULTING FROM USE OR HANDLING OF THIS PRODUCT.

LIMITATIONS OF LIABILITY: THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES, OR DAMAGE RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT NOR-AM'S ELECTION, THE REPLACEMENT OF PRODUCT.

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