

1415 10/82 110

Ms. Diane L. Lerley
Pesticide Regulatory Specialist
ICI Americas, Inc.
Agricultural Chemicals Division
Concord Pike and New Murphy Road
Wilmington, DE 19897

Dear Ms. Lerley:

Subject: Amendment - Add Dry Bulb Onions and Garlic
AMBUSH™ 25W Insecticide in Water Soluble Packs
EPA Registration No. 10182-110
Your Amended Application Dated December 5, 1988

The labeling referred to above, submitted in connection with registration under the section 3(c)(7)(B) of the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), is acceptable provided that you:

1. Submit/cite all data required for registration/re-registration of your product under FIFRA section 3(c)(5) when the Agency requires all registrants of similar products to submit such data.
2. Submit production information (pounds or gallons produced) for this product for the fiscal year in which the use on dry bulb onions, and garlic are conditionally registered, in accordance with FIFRA section 29. The production information will be submitted to the Agency no later than November 15 following the end of the preceding fiscal year.

This information should be submitted to:

Registration Support Branch
Registration Division (TS-767C)
Environmental Protection Agency
Washington, DC 20460

CONCURRENCES

SYMBOL
SIRNAME
DATE

3. Submit five (5) copies of your final printed labeling before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.

A stamped copy of the labeling is enclosed for your records.

Sincerely yours,

George T. LaRocca
Product Manager (15)
Insecticide-Rodenticide Branch
Registration Division

Enclosure

20/11

(Front Cover)

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 certification.

AMBUSH 25W Insecticide
Water Soluble Pack

Complete Directions For Use and Use Precautions

(Inside of Front Cover)

Notice to Buyer and User: Seller warrants that this 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 OF 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.

(Back Cover)

(Rounded) Agricultural Products
ICI Americas Inc.
Wilmington, Delaware 19897

ACCEPTED
with COMMENTS
In EPA Letter Dated:

ICI Americas Inc. 1988
EPA Reg. No. 10182-35
U.S. Patent No. 4,024,163

01-0804
A-1R

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

10182-110

KEEP OUT OF REACH OF CHILDREN

WARNING

AVISO PRECAUCION AL USUARIO:

Si usted no lee ingles, no use este producto hasta que la etiqueta le haya sido explicado ampliamente.

ACTIVE INGREDIENT:

PERMETHRIN

(3-Phenoxyphenyl) methyl(±)-cis,trans-3-(2,2-dichloroethenyl)-2,2-

dimethylcyclopropanecarboxylate* 25.0%

INERT INGREDIENTS. 75.0%

TOTAL. 100.0%

*Cis/trans ratio: Min. 35%(±) cis and max. 65%(±) trans.

STATEMENT OF PRACTICAL TREATMENT:

IF IN EYES: Flush with water for 15 minutes. Get medical attention if irritation persists. 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.

FOR 24-HOUR EMERGENCY ASSISTANCE, CALL ICI AMERICAS MEDICAL EMERGENCY INFORMATION CENTER 1-800-327-8633.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND
DOMESTIC ANIMALS

WARNING

MAY CAUSE EYE IRRITATION. HARMFUL IF SWALLOWED.

Do not get in eyes, on skin or on clothing. Wash thoroughly after handling.

ENVIRONMENTAL HAZARDS: This 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 wash waters. This product is highly toxic to bees exposed to direct treatment or residues on crops or weeds. Do not apply AMBUSH 25W 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 this label.

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

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MIXING INSTRUCTIONS

AMBUSH 25W insecticide is intended for dilution with water for spray application. Prepare no more spray mixture than is needed for the immediate operation. Thoroughly clean spray equipment before using this product. Agitate thoroughly before and during application. Good bypass agitation is sufficient to keep AMBUSH 25W insecticide thoroughly mixed. Do not let spray mixture stand overnight in the spray tank. Rinse spray tank at the end of the day.

Fill spray tank $\frac{1}{2}$ to $\frac{3}{4}$ full of water. With the agitator running, drop the required number of unopened soluble packs of AMBUSH 25W insecticide into the tank. Continue agitation while adding the remainder of the water. Do not use this product with oil.

WARNING: Area treated with AMBUSH 25W Insecticide on (insert date). Do not enter without appropriate protective clothing until sprays have dried (if more restrictive, insert State Department of Agriculture reentry interval).

In case of accidental exposure to pesticide spray, wash the skin thoroughly with soap and water. Remove contaminated clothing and wash before reuse. If in eyes, flush with plenty of water. Get medical attention if needed.

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.

GENERAL INSTRUCTIONS: Apply AMBUSH 25W as shown in "Directions for Application". Use sufficient water to obtain full coverage of foliage. Timing and frequency of applications should be based upon insect populations reaching economic thresholds. The higher rates may be required under conditions of heavy infestation. Do not apply more than 12 lbs per acre per season (3 lbs ai/acre). Crops in this label may be planted immediately after last treatment. Do not plant other crops within 60 days after last application. Any other crop may be planted if it is not harvested or grazed.

REENTRY STATEMENTS: Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons.

Do not enter treated areas without protective clothing until sprays have dried.

Protective clothing means, at least, a hat or other suitable head covering, a long sleeved shirt and long-legged trousers or a coverall type garment (all of closely woven fabric covering the body, including the arms and legs), shoes and socks.

ENDANGERED SPECIES RESTRICTIONS

For Aerial Application: Do not use within 100 yards of aquatic habitats.

For Ground Application: Do not use within 20 yards of aquatic habitats.

DIRECTIONS FOR APPLICATION

Crop	Target Pests	Rate lbs ai/A (oz/A)	Remarks
Alfalfa	Alfalfa Caterpillar	0.05-0.2 (3.2-12.8)	Use higher recommended dosage for increased pest pressure or for increased residual pest control Apply in a minimum of 1 gallon of finished spray per acre with ground equipment. Do not apply more than 0.2 pound active per cutting. When rates 0.1 pound active per acre or less are used, application may be made on day of harvest. When rates greater than 0.1 pound active per acre are used, do not apply within 14 days of harvest. Avoid application when honey bees are actively foraging by applying during the early morning or during the evening hours.
	Armyworm		
	Cutworm		
	Looper		
	Webworm		
	Potato Leafhopper		
	Blue Alfalfa Aphid		
	Green Peach Aphid		
	Pea Aphid		
	Green Cloverworm		
	Spotted Alfalfa Aphid	0.1-0.2 (6.4-12.8)	
	Velvetbean Caterpillar		
	Alfalfa Weevil		
	Egyptian Alfalfa Weevil		
	Cucumber Beetle		
	Meadow Spittlebug		
	Plant Bugs including Lygus spp.		
	Stink Bugs		
Almonds	Navel Orangeworm,	0.2-0.4 (12.8-25.6)	Apply by ground or air equipment using sufficient water to obtain uniform coverage. Can be applied up to 7 days before harvest. Do not apply more than 2.0 lbs. a.i. per acre per season. Do not graze livestock in treated orchards.
	Peach Twig Borer		
Apples	Apple Aphid,	0.1-0.4 (6.4-25.6)	Apply by ground equipment only, using 25-400 gallons of spray per acre. Spray to wet all foliage. Do not apply after petal fall.
	Redbanded Leafroller,		
	Oblique-banded Leafroller,		
	Plum Curculio,		
	White Apple Leafhopper,		
	Spotted Tentiform Leafminer,		
	Tarnished Plant Bug		

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Crop	Target Pests	Rate lbs ai/A (oz/A)	Remarks
Artichokes	Artichoke Plume Moth	0.1-0.3 (6.4-19.2)	Apply by ground equipment using sufficient water to obtain uniform coverage. Apply as needed. Do not apply more than 1.5 lbs. a.i. per acre per season. Buds may be harvested on the day of application.
Asparagus	Cutworm Complex, Asparagus Beetle***	0.05-0.1 (3.2-6.4)	Apply by ground equipment using sufficient water to obtain uniform coverage. Apply as needed. Do not apply more than 0.4 lbs. a.i. per acre per season. Do not apply within 3 days of harvest.
Asparagus Fern	Japanese Beetle, Asparagus Beetle,*** Lygus Bugs	0.1 (6.4)	Apply to the fern stage of the asparagus plant after spear harvest when larval and adult stage of the asparagus beetle, lygus bugs and the adult stage of the Japanese beetle are present.
Cantaloupes	Squash bug, Pickleworm, Leafminers, Cutworms	0.1-0.2 (6.4-12.8)	Apply by ground equipment using sufficient water to obtain full coverage of foliage. Make applications when insects appear and repeat weekly as needed. Do not apply more than 1.6 lbs. a.i. per acre per season. Do not apply within 1 day of harvest.

Celery (Refer to Leafy Vegetables for application directions)

Cherries	Lesser Peach Tree Borer, Rose Chafer, Green Fruitworm, Redbanded Leafroller, Plum Curculio, Tarnished Plant Bug	Rate lbs ai 100 gal 0.035-0.05	Do not exceed 400 gallons per acre. Apply when insects appear. In the East, do not exceed 6 applications per season, with no more than 4 applications after petal fall. In the West, do not apply more than 4 applications per season, with no more than 3 applications after petal fall. Do not apply within 3 days of harvest. Do not graze livestock in treated orchards. Do not feed forage to livestock.
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Crop	Target Pests	Rate lbs ai/A (oz/A)	Remarks
Chrysanthemums (Florida only)	Vegetable Leafminer	0.1-0.2 (6.4-12.8)	Apply by ground.
COLE CROPS Broccoli	Cabbage Looper, Imported Cabbageworm Diamondback Moth, Cabbage Aphid	0.05-0.1 (3.2-6.4)	Apply every 5 days or as needed by air or ground. Use sufficient water to obtain full coverage of foliage. Do not apply more than 0.8 lbs. a.i. per acre per season. Do not apply within 1 day of harvest.
Brussels Sprouts	Cabbage Looper, Imported Cabbageworm, Diamondback Moth, Cabbage Aphid	0.05-0.1 (3.2-6.4)	Apply as needed by air or ground. Use sufficient water to obtain full coverage of foliage. Do not apply more than 0.8 lbs. a.i. per acre per season. Do not apply within 1 day of harvest.
Cabbage	Cabbage Looper, Imported Cabbageworm, Diamondback Moth, Cabbage Aphid	0.05-0.2 (3.2-12.8)	Apply every 5-10 days or as needed by air or ground. Use sufficient water to obtain full coverage of foliage. Do not apply more than 1.0 lb. a.i. per acre per season. Do not apply within 1 day of harvest.
Cauliflower	Cabbage Looper, Imported Cabbageworm, Diamondback Moth, Cabbage Aphid	0.05-0.2 (3.2-6.4)	Apply every 5 days or as needed by air or ground. Use sufficient water to obtain full coverage of foliage. Do not apply more than 0.8 lbs. a.i. per acre per season. Do not apply within 1 day of harvest.
Chinese Cabbage (Tight-heading varieties only)	Cabbage Looper, Imported Cabbageworm Diamondback Moth, Cabbage Aphid	0.05-0.2 (3.2-12.8)	Apply every 5-10 days or as needed by air or ground. Use sufficient water to obtain full coverage of foliage. Do not apply more than 1.0 lb. a.i. per acre per season. Do not apply within 1 day of harvest.
Chinese Broccoli (gailon, white flowering)			

2/11

Crop	Target Pests	Rate lbs a.i./A (oz/A)	Remarks
Cotton	Bollworm, Tobacco Budworm, Pink Bollworm, Lygus Bugs, Cabbage Looper, Cotton Leafperforator, Boll Weevil, Cotton Fleahopper, Saltmarsh Caterpillar, Whitefly, Cotton Aphid, Cutworms	0.1-0.2 (6.4-12.8)	Apply as required by scouting reports, usually at intervals of 5 to 7 days. Apply by air or ground. Use sufficient water to obtain full coverage of foliage. For control of boll weevils spray on a 3 to 5 day schedule or as needed. Do not apply within 14 days of harvest. The higher rates of AMBUSH 25W (0.15 to 0.2 lbs. a.i. per acre) may be required under conditions of heavy lepidopterous worm infestation. AMBUSH 25W aids in the reduction of lepidopterous egg hatch by contact action. Do not graze livestock in treated areas. Do not apply more than 3.0 lbs. a.i. per acre per season.
eggplant	Colorado Potato Beetle	0.2 (12.8)	Apply by ground or air equipment using sufficient water to obtain uniform coverage. Apply as needed. Do not apply more than 3.0 lbs a.i. per acre per season. Do not apply within 3 days of harvest.
	Vegetable Leafminer, Cabbage Looper, Flea Beetle	0.1-0.2 (6.4-12.8)	
Field Corn/ Popcorn/ Field Corn Grown for Seed (Preemer- gent Use)	Armyworm, Cutworms	0.1-0.2 (6.4-12.8)	Apply in the time period from 5 days prior to planting up to emergence of the crop. Apply as a broadcast spray in a minimum of 20 gallons of finished spray/acre with ground equipment*.

7/7/11

Crop	Target Pests	Rate lbs ai/A (oz/A)	Remarks
Field Corn/ Popcorn Field Corn Grown for Seed (Foliar Use	Cutworms, European Corn Borer, Armyworm, Southwestern Corn Borer, Flea Beetle, Corn Earworm,*** Corn Rootworm Beetle,*** Tobacco Budworm,*** Stalk Borer	0.1-0.2 (6.4-12.8)	Apply prior to the brown silk stage. Apply a minimum of 1 gallon of finished spray/acre by air and 10 gallons/acre with ground equipment.* When treating for stalk borer, AMBUSH 25W must be applied when or shortly before the stalk borer larvae are moving into the corn from surrounding weeds and grasses. Mowing or burndown herbicide are suggested to initiate movement.*
Filberts)	Filbertworm, Oblique Banded Leafroller	0.2-0.4 (12.8-25.6)	Apply when insects appear. Do not apply more than 1.6 lbs. a.i. per acre per season. Apply in a minimum of 15 gallons of finished spray per acre with ground equipment. Do not apply within 14 days of harvest. Do not graze livestock in treated orchards.
Leafy Vegetables** (except Brassica)	Vegetable Leafminer, Cabbage Looper, Cutworm Complex, Fall Armyworm, Beet Armyworm, Corn Earworm, Green Cloverworm, Leafhoppers, European Corn Borer	0.1-0.2 (6.4-12.8)	Apply every 3-5 days or as needed by air or ground. Use sufficient water to obtain full coverage of foliage. Do not apply more than 2.0 lbs. a.i. per acre per season. Can be applied up to 1 day of harvest. Do not graze treated areas or feed crop refuse to livestock.

Lettuce (Refer to Leafy Vegetables for application directions)

10/1/14

Crop	Target Pests	Rate lbs ai/A (oz/A)	Remarks
Mushrooms (Mushroom houses & adjacent premise areas)	Mushroom Flies (Sciarid and Phorid Adults)	Apply 6 oz. to 11 gal. water or 8 level tablespoons to 3 gal. water. As a guide, use 1 gal. spray per 750 sq. ft. (400- 1,400 sq. ft.)	Spray directly to walls and ceilings as residual surface treatment only. Spray to point of runoff. Use AMBUSH 25W prior to filling house, during cooldown, during spawning, up to pinning and between breaks. Do not use when mushrooms are present. Treat as needed when flies appear. Do not make more than 20 applications prior to pinning of first break; apply no more than two applications between each break. Do not apply more than 30 applications total per crop of 5 breaks. Do not apply within 3 days of harvest.
Onions (Dry Bulb) and Garlic	Onion Thrips Armyworms	0.15-0.3 (9.6-19.2)	Apply in a minimum of 20 gals per acre with ground equipment as a foliar spray. Begin applications when pests appear
	Cutworms Leafminers Onion Maggots (adults) Stink Bugs	0.1-0.3 (6.4-19.2)	and repeat as necessary to maintain control. Use the higher label rates as Onion Thrips population increases and avoid rescue situations. Do not apply more than 2-4 pounds active per acre per season. Do not apply within 1 day of harvest. Do not graze livestock in treated areas or cut treated crops for food.
Peaches	Peach Twig Borer, Oriental Fruit Moth, Green Fruitworm, Lesser Peachtree Borer, Plum Curculio, Tarnished Plantbug, Rose Chafer	0.1-0.4 (6.4-25.6)	Apply by ground equipment using 25-400 gallons of spray per acre. Spray to wet all foliage. Can be applied up to 7 days before harvest. Do not apply more than 3.0 lbs. a.i. per acre per season. Do not graze livestock in treated orchards.

11/2/14

Crop	Target Pests	Rate lbs ai/A (oz/A)	Remarks
Pears (Dormant)	Pear Psylla	0.2-0.4 (12.8-25.6)	Apply at a rate of 0.8 to 1.6 lbs. (0.2 to 0.4 lbs. active) per acre. May be combined with 2 to 8 gallons of spray oil per acre. Apply during the dormant through delayed dormant growth periods only. Apply in 3 to 20 gallons of finished spray per acre by aircraft and 25 to 400 gallons per acre by ground equipment. Do not apply more than 0.8 lbs. a.i. per acre per season. Do not graze orchard floor.
Pears (Pre-Bloom/ Seasonal)	Pear Psylla, Codling Moth, Green Fruitworm,	0.2-0.4 (12.8-25.6)	Apply two pre-bloom sprays followed by three seasonal sprays. Pre-bloom sprays can be applied from dormant through bud burst stages. Seasonal sprays can be applied from petal fall up to 14 days of harvest. Do not apply more than 2.0 lbs. a.i. per acre per season.
Peppers (Bell)	Vegetable Leafminer, Cabbage Looper, Flea Beetle, Pepper Weevil	0.1-0.2 (6.4-12.8)	Apply by ground or air equipment using sufficient water to obtain uniform coverage. Apply as needed. Do not apply more than 1.6 lbs. a.i. per acre per season. Do not apply within 3 days of harvest.
	European Corn Borer	0.2 (12.8)	
Pistachios	Peach Twig Borer, Navel Orangeworm, Chinch Bug	0.2-0.4 (12.8-25.6)	Apply at a rate of 0.8 to 1.6 lbs. (0.2-0.4 lb active) per acre. Use sufficient water to obtain full coverage of foliage. Do not apply more than 0.8 lbs. a.i. per acre per season. Do not apply after 10 percent hull split. Nuts may be harvested on the day of application. Do not graze livestock in treated orchards.

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Crop	Target Pests	Rate lbs a.i./A (oz/A)	Remarks
Potatoes	Colorado Potato Beetle, Potato Leafhopper, Aster Leafhopper, Potato Flea Beetle, Potato Aphid, Potato Tuberworm, Potato Psyllid, Cabbage Looper	0.05-0.2 (3.2-12.8)	Apply as needed by air or ground. Use sufficient water to obtain full coverage of foliage. Do not apply more than 2.4 lbs. a.i. per acre per season. Can be applied up to 7 days prior to harvest.
Pumpkins	Squash Bug, Melonworm	0.2 (12.8)	Apply by ground or air equipment using sufficient water to obtain uniform coverage. Apply as needed. Do not exceed 4 applications. Do not apply within 1 day of harvest.
Soybeans	Green Cloverworm, Mexican Bean Beetle, Bean Leaf Beetle, Cabbage Looper, Potato Leafhopper, Velvetbean Caterpillar, Saltmarsh Caterpillar	0.05-0.1 (3.2-6.4)	Apply by air or ground. Do not apply more than 0.4 lbs a.i. per acre per season. Can be applied up to 60 days before harvest. Do not graze treated areas of harvest for forage or hay.
	Corn Earworm, Beet Armyworm Soybean Looper,	0.1-0.2 (6.4-12.8)	
Spinach (Refer to Leafy Vegetables for application directions)			
Sweet Corn	Corn Earworm, European Corn Borer, Fall Armyworm, Corn Rootworm Adults, Western Bean Cutworm, Aster Leafhopper	0.1-0.2 (6.4-12.8)	Apply every 5 days or as needed by air or ground. Do not apply within 1 day of harvest of ears or forage or livestock grazing. AMBUSH 25W may be mixed with LANNATE [®] (methomyl) in accordance with label limitations and precautions. Label dosage rates should not be exceeded.

13/11

STORAGE AND DISPOSAL

PROHIBITIONS: Do not contaminate water, food or feed by storage or disposal. Do not reuse empty container. STORAGE: Mix as needed. Do not store diluted material. Keep container closed when not in use. Do not store near food or feed. In case of spill on floor or paved surfaces, sweep up and remove to chemical waste area. PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. CONTAINER DISPOSAL: Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

RATE CONVERSION CHART

POUNDS ACTIVE/ACRE	FORMULATION OUNCES/ACRE	FORMULATION LBS/ACRE
0.05	3.2	0.2
0.10	6.4	0.4
0.125	8.0	0.5
0.15	9.6	0.6
0.175	11.2	0.7
0.20	12.8	0.8

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