

Reg # 241-259 PM 15
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JUL 22 1985

Dr. Mark Galley
American Cyanamid Company
Agricultural Research Division
P.O. Box 400
Princeton, NJ 08540

Dear Dr. Galley:

Subject: Pay-Off^o Insecticide/Cabbage
EPA Registration No. 241-259
Your Amended Application of September 30, 1983

The amendment referred to aboven submitted in connection with registration under FIFRA sec. 3(c)(7)(A) is acceptable provide that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec 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(s) on cabbage is (are) conditionally registered, in accordance with FIFRA sec. 29. The fiscal year begins October 1 and ends September 30. 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 and
Emergency Response Branch
Registration Division (TS-767)
Environmental Protection Agency
Washington, DC 20460

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

CONCURRENCES							
SYMBOL	TS-767						
NAME	<i>M. H. ...</i>						
DATE	7.16.85						

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- a. Update the Farmworkers Safety Statements as per PR Notice 83-2.
- b. The Storage and Disposal statement must be dated in accordance with PR Notice 83-3 in regards to products in Toxicology Category I.
- c. Replace the subheading "First Aid" with the subheading "Statement of Practical Treatment."
- d. Add the following inhalation statement to the human precautionary statement:

Do not breathe spray mist

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

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

Please note that this application has been approved based on the provisions of PR Notice 84-4 pertaining to data compensation. A final rule on data compensation has become effective as of April 25, 1985, and future applications must be submitted under these new procedures. Information on new procedures and forms will be set forth in a PR Notice which will be mailed to all registrants and applicants.

Sincerely yours,

George T. LaRocca
Product Manager (15)
Insecticide-Rodenticide Branch
Registration Division (TS-767)

Enclosure

RD/IRB:JOB:88038:RD-38:LaRocca:Kendrick:898-1270:7/12/85:Del.7/24/85:EK

(18 pt. type)

Restricted Use Pesticide

For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for uses covered by the Certified Applicators certification.

ACCEPTED
with COMMENTS
EPA Letter Dated:

JUL 22 1985

Under the Federal Insecticide, Fungicide, and Rodenticide Act, amended, for the purpose of registration under EPA Reg. 241-259

PAY-OFF® insecticide

Active Ingredient:

Flucythrinate (±)-Cyano(3-phenoxyphenyl)methyl (+)-4-(difluoromethoxy)-alpha-(1-methylethyl) benzeneacetate	30.0%
Inert Ingredients	70.0%

(1 gallon contains 2.5 lbs. of active ingredient)

EPA Reg. No. 241-259

EPA Est. No. 241-NJ-02

(18 pt. type)

KEEP OUT OF REACH OF CHILDREN

(12 pt. type)

DANGER!

See Side Panel For Other Warnings

PELIGRO!

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

ENGLISH TRANSLATION

DANGER!

(TO THE USER: If you cannot read English, do not use this product until the label has been fully explained to you.)

In case of an emergency endangering life or property involving this product, call collect, day or night, Area Code 201-835-3100.

Net Contents: 1 gallon

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(18 pt. type)

Restricted Use Pesticide

For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for uses covered by the Certified Applicators certification.

PAY-OFF® insecticide

Active Ingredient:

Flucythrinate (±)-Cyano(3-phenoxyphenyl)methyl (+)-4-(difluoromethoxy)-alpha-(1-methylethyl)

benzeneacetate 30.0%

Inert Ingredients 70.0%

(1 quart contains 0.63 lbs. of active ingredient)

EPA Reg. No. 241-259

EPA Est. No. 241-NJ-02

(18 pt. type)

KEEP OUT OF REACH OF CHILDREN

(12 pt. type)

DANGER!

See Side Panel For Other Warnings

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Net Contents: 1 quart

22946-02

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER

Danger! Causes eye damage. May be fatal if swallowed or absorbed through the skin. Harmful if inhaled. Do not get in eyes or on skin or clothing. Use with adequate ventilation and avoid breathing vapor or mist. Wear goggles or a face shield when handling. Wash thoroughly with soap and water after handling and before eating or smoking. Do not feed forage or graze livestock on treated fields. 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.

FIRST AID

If in Eyes: Flush with plenty of water. Get medical attention.

If Swallowed: Do not induce vomiting. Get medical attention.

If on Skin: Wash with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothes before reuse. Occasionally, individuals will experience a flushing or burning sensation on the skin. The reaction usually subsides in several hours.

ENVIRONMENTAL HAZARDS

This pesticide is extremely toxic to fish and aquatic organisms. Do not apply it directly to water. Maintain a buffer zone (lay-off distance) of 100 feet from bodies of water. Do not contaminate water by the cleaning of equipment or disposal of wastes. Do not apply when conditions favor drift from the target area.

Notify State and/or Federal authorities and American Cyanamid Company immediately if you observe any adverse environmental effects due to the use of PAY-OFF insecticide.

This pesticide is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply it or allow it to drift to crops or weeds on which bees are actively foraging.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

PAY-OFF insecticide should be used only in accordance with recommendations on the leaflet label attached to the container. Keep containers closed to avoid spills and contamination.

FIELD CROPS

COVER FOLIAGE UNIFORMLY! Time treatments and set dosages according to insect populations or damage. Repeat treatments as necessary to maintain control. Consult your local extension service or professional consultant for treatment thresholds.

Aerial Applications: If water is used for dilution apply at least one gallon of finished spray per acre. Apply at least 3 gallons finished spray per acre in Arizona, and at least 5 gallons finished spray per acre in California.

If once-refined vegetable oil is used for dilution, apply at least one quart finished spray per acre. When once-refined vegetable oil is the diluent, applications may be made at one-half of the dose rates given in the following table, but not less than 1.3 fl. oz. of PAY-OFF insecticide per acre. Applications in once-refined vegetable oil are not registered for use in California.

Ground Application: Use water for dilution and apply at least 5 gallons of finished spray per acre.

Crop	Insect	Range of Rates (fl. oz. of PAY-OFF® insecticide per acre)	Remarks
Cotton	Cotton Bollworm Tobacco Budworm	2.0-2.5 Moderate to Heavy Populations	DO NOT apply within 28 days of harvest. DO NOT graze or feed cotton for forage.
		1.3-2.0 Light to Moderate Populations. Use these rates in frequently scouted fields. Make treat- ments promptly after the decision to treat has been made.	
	Boll Weevil	2.0-4.0 These rates control weevils if applied at 3-4 day intervals, and suppress weevils if applied at the longer intervals typical of budworm/bollworm control programs.	
	Cabbage Looper Pink Bollworm Saltmarsh Caterpillar	1.3-3.0	
	Cotton Leafperforator Lygus Bugs	2.0-4.0	

TANK MIXES
For Control of Boll Weevil and Bollworm/Budworm in Cotton

PAY-OFF may be tank mixed with once-refined cottonseed or vegetable oil and CYTHION insecticide 'The Premium Grade Malathion' or Malathion ULV* concentrate insecticide for use on cotton in accordance with the more restrictive label limitations and precautions. No label dosage rates should be exceeded. This product cannot be mixed with any product containing a label prohibition against such mixing.

Use Rates: PAY-OFF 1.3 to 4 oz. + CYTHION or Malathion ULV - 12-16oz.

*Trademark of American Cyanamid Company
®Registered trademark of American Cyanamid Company

FRUIT CROPS

Crop	Insect	Application Rates		Remarks
		Fluid Ounces Per 100 Gallon	Fluid Ounces Per Acre	
Pears	Pear Psylla ¹	1.25*	5.0	Apply during dormant to prebloom (white bud) stage only. Do not make more than 1 application per season. DO NOT GRAZE LIVESTOCK IN TREATED AREAS. Cover trees uniformly.
*Based on 400 gallons per acre spray solution.				
¹ Supreme or superior type oil may be added to the spray solution at recommended rates.				

FOR USE ON APPLES

Crop	Insect	Application Rates ^{1/}		Remarks
		Lb. ai/ Acre	Fluid Ounces Per Acre	
Apples	Rosy Apple Aphid White Apple Leafhopper	.16-.18	8-9	Cover trees uniformly using 200-600 gals. spray solution per acre.
	Apple Maggot Fruit Tree Leafroller Green Apple Aphid Green Fruitworms Lesser Appleworm Oblique-Banded Leafroller Periodic Cicada Plum Curculio Red-Banded Leafroller Spotted Tentiform Leafminer (Adults) Tarnished Plant Bug Tufted Apple Budmoth	.12-.18	6-9	Repeat as needed to maintain control. Time applications for optimum insect control. ^{2/} Do not exceed 45 fl. oz. PAY-OFF per acre per season. Do not graze livestock in treated areas. Do not apply within 14 days of harvest.
	Codling Moth	.10-.18	5-9	

USE INFORMATION

^{1/}Use high range of label rates for control of heavy infestations or when conditions exist that make insect control difficult. Lower range of label rates should be used only under good orchard management conditions for control of low to moderate insect infestations.

^{2/}PAY-OFF is not a systemic insecticide. Insect pests must come into contact with spray material to be controlled. Leafminer larva in their mines and aphids or leafrollers protected by curled leaves will not be effectively controlled. For best control, time applications for maximum insect exposure.

PAY-OFF is compatible with other insecticides, acaricides and fungicides.

PAY-OFF may be tank mixed with up to 10 gallons per acre superior type oil for pre-bloom applications.

Determine physical compatibility of tank-mixtures BEFORE they are mixed in the spray tank.

Observe all cautions and limitations on the labels of all products used in tank mixtures.

Consult your local extension service or professional consultant for proper timing of PAY-OFF applications.

Crop	Insect	Application Rates		Remarks
		Lb. ai/ Acre	Fluid Ounces Per Acre	
Cabbage	Cabbage Looper Corn Earworm Diamondback Moth Imported Cabbageworm Saltmarsh Caterpillar	.025-.04	1.3-2.0	Repeat as needed to maintain control Do not exceed 16 fl. oz., PAY-OFF Do not apply within 3 days of harvest Do not feed treated plant parts to livestock

PAY-OFF is compatible with other insecticides, acaricides and fungicides. Determine physical compatibility BEFORE they are mixed in the spray tank.

Observe all cautions and limitations on the labels of all products used in tank-mixtures.

CONVERSION CHART

Rate Fl. Oz./Acre	Approximate Rate Pounds a.i./Acre	Approximate Acres Treated by	
		1 Quart	1 Gallon
1.0	0.020	31.0	124.0
1.3	0.025	24.5	98.5
1.5	0.030	20.8	83.0
1.8	0.035	18.0	72.0
2.0	0.040	16.0	64.0
2.5	0.050	13.0	51.0
3.0	0.060	10.5	42.5
3.5	0.070	9.0	36.5
4.0	0.080	8.0	32.0
4.5	0.090	7.0	28.5
5.0	0.100	6.5	25.5
5.5	0.105	6.0	23.5
6.0	0.115	5.5	21.5
6.5	0.125	5.0	19.5
7.0	0.135	4.5	18.5
7.5	0.145	4.5	17.0
8.0	0.155	4.0	16.0
8.5	0.165	4.0	15.0
9.0	0.175	3.5	14.0
9.5	0.185	3.5	13.5
10.0	0.195	3.0	13.0

PHYSICAL OR CHEMICAL HAZARDS

COMBUSTIBLE LIQUID AND VAPOR

Do not use or store near heat or open flame. Do not use in the vicinity of pilot lights. Keep container closed.

STORAGE AND DISPOSAL

STORAGE: DO NOT contaminate water, food, or feed by storage.

DISPOSAL: Open dumping is prohibited. Pesticide, spray mixture, or rinse water that cannot be used according to label instructions must be disposed of according to Federal or approved State procedures under Subtitle C of the Resource Conservation and Recovery Act. Containers should be triple rinsed (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.

DISCLAIMER

American Cyanamid Company warrants only that the material contained herein conforms to the chemical description on the label and is reasonably fit for the use therein described when used in accordance with the directions for use.

Any damages arising from a breach of this warranty shall be limited to direct damages, and shall not include consequential commercial damage such as loss of profits or values, etc.

American Cyanamid Company makes no other express or implied warranty, including any other express or implied warranty of FITNESS or of MERCHANTABILITY.

User assumes the risk of any use contrary to label instructions or under abnormal conditions, or under conditions not reasonably foreseeable by American Cyanamid Company.