

U.S. ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF PESTICIDES PROGRAMS
REGISTRATION DIVISION (WH-567)
WASHINGTON, D.C. 20460

EPA REGISTRATION NO.

201-417

DATE OF ISSUANCE
NOV 15 1984

TERM OF ISSUANCE

Conditional

NAME OF PESTICIDE PRODUCT

Pydrin 4 Insecticide ULV Concentrate

NOTICE OF PESTICIDE: REGISTRATION
 REREGISTRATION

(Under the Federal Insecticide, Fungicide,
and Rodenticide Act, as amended)

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

Shell Oil Company
1025 Connecticut Ave., NW.
Washington, DC 20036

NOTE: Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an endorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided 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 an acute inhalation study on this formulation by December 31, 1985.

3. Make the labeling changes listed below before you release the product for shipment:

a. Add the phrase "EPA Registration No. 201-417."

b. Delete from the front panel precautionary labeling the following:

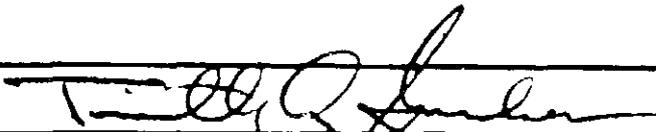
May be irritating to skin, eyes, nose and throat.
Causes moderate eye injury. Harmful if swallowed.

Insert instead the following:

See precautionary statements on side panel.

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL



DATE

11-15-84

c. Delete the statement (See additional precautionary statements on side panel).

d. Add the following statement to the Hazards to Humans Caution:
Avoid inhalation.

3. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 Enclosure for a further description of final printed labeling.

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 constitutes acceptance of these conditions.

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

Timothy A. Gardner
Product Manager (17)
Insecticide-Rodenticide Branch
Registration Division (TS-767)

Enclosure

JOB-51452; Hayward; RD-12; LGE; Kendrick; 898-1270; 11/9/84; Del. 12/20/84

79-267
[Handwritten signature]

RESTRICTED USE PESTICIDE

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



Shell

Pydrin[®] 4

Insecticide

ULV Concentrate



Shell

EPA Reg. No. 201-
EPA Est. No.

This Product Contains 4 lbs of PYDRIN Per Gallon.

ACTIVE INGREDIENT	BY WEIGHT
fenvalerate: Cyano (3-phenoxyphenyl) methyl-4-chloro-alpha-(1-methylethyl) benzeneacetate.....	47.9%
INERT INGREDIENTS.....	52.1%
	TOTAL 100.0%

REGISTERED
with COMMENTS
in EPA Letter Dated:

NOV 15 1984

Under the Federal Insecticide, Fungicide and Rodenticide Act registered. See the pesticide registration under EPA Reg. No. 201-417

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

May be irritating to skin, eyes, nose and throat. Causes moderate eye injury. Harmful if swallowed.

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED, do not induce vomiting. Call a physician. Gastric lavage should be supervised by a physician or the professional staff because of the possible pulmonary damage via aspiration of the solvent.

IF ON SKIN, wash with plenty of soap and water. Get medical attention if irritation persists.

IF IN EYES, flush with plenty of water. Get medical attention if irritation persists.

(See additional precautionary statements on side panel.)

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS - CAUTION

Causes moderate eye injury. Wear goggles while handling. Can cause irritation to skin such as burning and tingling. Do not get in eyes, on skin, or on clothing. Wear protective gloves while handling. Harmful if swallowed or absorbed through skin. Wash thoroughly with plenty of soap and water after handling. Remove and wash clothing before reuse.

For 24-hour emergency assistance, call (713) 473-9461.

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 by cleaning of equipment or disposal of wastes. Apply this product only as specified on this label.

WILDLIFE PROTECTION IS EVERYONE'S RESPONSIBILITY

This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply PYDRIN or allow it to drift to blooming crops or weeds while bees are actively visiting the treatment area. Additional information may be obtained by consulting your Cooperative Extension Service.

DIRECTIONS FOR USE

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

RE-ENTRY STATEMENT

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.

Because certain states may require more restrictive reentry intervals for various crops treated with this product, consult your State Department of Agriculture for further information.

Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. (Indicate specific oral warnings which inform workers of areas of fields that may not be entered without specific protective clothing, period of time field must be vacated and appropriate actions to take in case of accidental exposure.) When oral warnings are given, warnings shall be given in a language customarily understood by workers. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers. Written warnings must include the following information: "CAUTION! Area treated with PYDRIN on (date of application). Do not enter without appropriate protective clothing until sprays have dried. (Insert here action to take in case of accidental exposure. See front panel STATEMENT OF PRACTICAL TREATMENT for details.)"

STORAGE AND DISPOSAL

STORAGE: Store in a secure, dry and temperate area. Keep container closed when not in use. Do not store near food or feed. Do not use or store around the home. Avoid contact with water. In case of spill or leak, soak up with sand, earth or synthetic absorbent (do not use soda ash or other alkaline absorbent) and dispose of wastes in compliance with Pesticide Disposal instructions given below.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate 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 at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning if container reuse is permitted. If container reuse is prohibited, puncture metal containers and dispose of in a sanitary landfill, or by other approved State and local procedures. Dispose of plastic containers in a sanitary landfill, or by incineration if allowed by State and local authorities. Dispose of glass containers in a sanitary landfill, or by other approved State and local procedures.

In case of significant spill, call (713) 473-9461 or CHEMTREC (800) 424-9300.

GENERAL DIRECTIONS

PYDRIN® 4 Insecticide ULV Concentrate contains 4 pounds of active ingredient per gallon. This product is intended for use as an ultra-low volume spray in once-refined vegetable oil. Do Not Attempt To Mix With Water. Mix the required amount of PYDRIN 4 in vegetable oil as directed in the specific use instruction for each crop. Do not plant root crops other than potatoes within 12 months after the last application. Potatoes and all other rotational crops may be planted immediately following the last application.

COTTON

CROP	INSECT	DOSAGE		NUMBER ACRES TREATED WITH GALLON	FURTHER USE INSTRUCTIONS
		LB AI/ ACRE	FL OZ/ ACRE		
Cotton	Pink Bollworm	0.05-0.1	1.6-3.2	80-40	In nonvolatile once refined vegetable oil apply a total spray volume of one or more quarts/acre. Repeat as necessary throughout season to maintain control. Apply no more than 2 lbs/ai to a crop in a growing season. For the control of Boll Weevil, a 3-5 day interval between sprays may be required. Do not feed or graze livestock on treated trash.
	Cotton Leaf Perforator	0.10	3.2	40	
	Cotton Bollworm, Tobacco Budworms, Lygus Bugs, Cabbage Looper, Beet Armyworm, Boll Weevil, Whitefly*	0.10-0.20	3.2-6.4	40-20	
	*Aids in Suppression				
Field Corn	Cutworm Grasshoppers	0.1-0.2	3.2-6.4	40-20	Apply in nonvolatile refined vegetable oil in a total spray volume of 1 or more quarts. Repeat as necessary to maintain control. Do not exceed 1.0 lb a.i. per acre per season. See additional instructions for other insects.
	Western Bean Cutworm	0.05-0.1	1.6-3.2	80-40	Apply as necessary to maintain control. Application must be made before larvae enter the ear.

CROP	INSECT	DOSAGE		NUMBER ACRES TREATED WITH GALLON	FURTHER USE INSTRUCTIONS	DAYS TO HARVEST
		LB AI/ ACRE	FL. OZ/ ACRE			
Field Corn	Corn Earworm	0.1-0.2	3.2-6.4	40-20	First application should be at or before silking. Subsequent applications should be made at 3-5 day intervals until silking is completed. Repeat applications may be applied if economically damaging populations exist.	
	Stalk Borer	0.1-0.2	3.2-6.4	40-20	Application must be made early in migration from grassy areas to corn, before borers enter the plant. More than one application may be necessary.	
	Corn Rootworm (adult control)	0.1-0.2	3.2-6.4	40-20	Spray at first sign of silk feeding. Reinfestation may occur. Should reinfestation occur, repeat as necessary to maintain control.	
	Southwestern Corn Borer	0.1-0.2	3.2-6.4	40-20	Apply as necessary to maintain control. Two or more applications may be required. Higher rates (0.15-0.2 lb. a.i.) are recommended for moderate to heavy populations.	

CROP	INSECT	DOSAGE		NUMBER ACRES TREATED WITH GALLON	FURTHER USE INSTRUCTIONS	DAYS TO HARVEST
		LB AI/ ACRE	FL OZ/ ACRE			
Field Corn	Armyworm (True Armyworm)	0.1-0.2	3.2-6.4	40-20	Apply as necessary to maintain control.	

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Sales by Shell Chemical Company of products containing the active ingredient are made under agreements with Sumitomo Chemical Company, Ltd.

Shell Chemical Company
A Division of Shell Oil Company
P.O. Box 3871
Houston, Texas 77001

RECEIVED
EPA COORDINATOR
EPA Letter Patent

NOV 5 1984

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended for the protection
of man and animals under EPA Reg. No.

201-417