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55947-105

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

FILE COPY

OFFICE OF
PESTICIDES AND TOXIC SUBSTANCES

FEB 14 1990

300/258715
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Ms. Donna M. Hillebold
Registration Specialist
Sandoz Crop Protection
Corporate Headquarters
1300 East Touhy Avenue
Des Plaines, Illinois 60018

Dear Ms. Hillebold:

Subject: Label Amendment - Change Name, Address, Registration Number
and Warranty Statement
SPUR 22EW Insecticide
EPA Registration Number 55947-105
Your Application of January 24, 1990

The labeling referred to above, submitted in connection with registration under Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable. A stamped copy is enclosed for your records.

Note: The following label changes must be made at your next printing of final labeling.

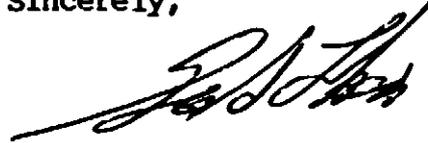
1. The environmental hazard statement must be revised to read as follow: "This product is highly toxic to fish or other aquatic organisms. Do not apply directly to any body of water or wetlands (swamps, bogs, marshes and potholes). Do not apply where runoff is likely to occur. Do not contaminate water when disposing of equipment washwaters. Do not apply when weather conditions favor drift from treated areas.

2. Change the statement of practical treatment subheading to read, "STATEMENT OF PRACTICAL TREATMENT". In addition, the statement concerning eye treatment should be revised to read: " Flush eyes with plenty of water. Get medical attention if irritation persists".

3. The precautionary statement suheading must read as follow:

**PRECAUTIONARY STATEMENT
HAZARD TO HUMANS AND DOMESTIC ANIMALS
CAUTION**

Sincerely,



George T. LaRocca
Product Manager (15)
Insecticide-Rodenticide Branch
Registration Division (H7505C)

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Continued from opposite side panel

ENVIRONMENTAL HAZARDS

This product is highly toxic to fish. Do not apply above or around fish ponds. Use with care when applying in areas adjacent to any body of water. Do not apply directly to water. Do not contaminate water by cleaning of equipment or disposal of waste.

Do not apply this product through any type of irrigation system.

STORAGE AND DISPOSAL

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

STORAGE

Store away from direct sunlight or heat. Pesticides must be stored in a secured area away from other products, food or feed. In case of spill or leak, soak up with soil or other absorbent material. Do not use caustic agents.

DISPOSAL

Wastes resulting from the use of SPUR® 22 EW may be disposed of on site or at any approved waste disposal facility.

Triple rinse container (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.

SPUR® 22 EW is a Registered Trademark of Sandoc Ltd.
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E621717-20 AB

SPUR®

22EW

INSECTICIDE

For Use on Nonbearing Fruit & Nut Trees and Vines and Certain Crops Listed on Back of Label Grown for Planting Seed.

ACTIVE INGREDIENT:

(a RS, 2R)-fluvalinate [(RS)-a-cyano-3-phenoxybenzyl (R)-2-[2-chloro-4-(trifluoromethyl)anilino]-3-methyl-butanoate]*

INERT INGREDIENTS: 22.3%
TOTAL ... 77.7%
TOTAL ... 100.0%

SPUR® 22 EW is a 22.3% w/w (a RS, 2R)-fluvalinate emulsion in water.

KEEP OUT OF REACH OF CHILDREN

CAUTION

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS AND FIRST AID.

SHAKE WELL BEFORE USING

U.S. PAT. 4,260,633 & 4,411,912 NET CONTENTS:
EPA Reg. No. 55947-105 1 QUART (946 ml)
EPA Est. No. 55947-CA-1 LOT NO.:



SANDOC
CROP PROTECTION
CORPORATION
911, Avenue 6, 1988

ACCEPTED
with COMMENTS
in EPA Letter Dated

FEB 14 1990

Under the Federal Insecticide, Fungicide, and Rodenticide Act, amended, for the pesticide registered under EPA Reg. N.

55947-105

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SPUR 22 EW is a 22.7% emulsion in 0.2% emulsifier solution in water

U.S. PAT. 4,260,633 & 4,411,912
EPA Reg. No. 55947-1B5
EPA Est. No. 55947-CA-1

NET CONTENTS:
1 QUART (946 ml)

**KEEP OUT OF REACH OF CHILDREN
CAUTION**
See back panel for additional precautionary
statements and first aid.

SHAKE WELL BEFORE USING
Read Before Use

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal

STORAGE: Store away from direct sunlight or heat. Pesticides must be stored in a secured area away from other products, food or feed. In case of spill or leak, soak up with soil or other absorbent material. Do not use caustic agents.

DISPOSAL: Wastes resulting from the use of SPUR 22 EW may be disposed of on site or at any approved waste disposal facility.

Triple rinse container (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.

INTRODUCTION

SPUR 22 EW Insecticide controls insects primarily through contact action. Target pests must be exposed to the spray or spray deposits, so good spray coverage is necessary. Treat according to local action criteria, or when pests are young and populations manageable, before crop damage occurs. Repeat as needed, generally at one to three week intervals. Performance should be apparent four days after treatment. Where heavy populations occur, repeated applications five to seven days apart may be necessary to bring pests under adequate control. Growth dilution, climatic variables and pest habits determine treatment needs.

For most pests listed, a range of use rates is given. The higher rates must be selected when pest pressures or insect damage potential is severe. The

face contact **FIRST AID**

IF IN EYES: Flush thoroughly with a direct stream of water for 15 minutes. Get medical attention if irritation persists.

IF INHALED: Remove victim to fresh air. Apply artificial respiration if indicated.

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

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

ENVIRONMENTAL HAZARDS

This product is highly toxic to fish. Do not apply above or around fish ponds. Use with care when applying in areas adjacent to any body of water. Do not apply directly to water. Do not contaminate water by cleaning of equipment or disposal of waste.

more economical rates often give acceptable results.

Dried residue of SPUR are non-toxic and non-repellent to honeybees. Treat during non-foraging periods to minimize potential adverse effects.

Dilute SPUR in sufficient water to give good spray coverage, based on local crop protection experience. Buffer spray water to pH 5-7 if necessary. If local experience encourages use by air, use five to twenty gallons of water per acre. When SPUR is tank-mixed with wettable powders, add powders to the tank first. SPUR can be tank-mixed in water with emulsified spray oils. Do not mix with highly caustic or alkaline materials. Check mixtures for physical and biological compatibility before extensive use.

Consult your local Extension office or a Sandoz specialist for guidance in selecting a rate and timing schedule that has demonstrated good performance under your specific conditions.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Do not use where any part of the crop will be used for human or livestock consumption. Applications may not be made to trees or vines which will be harvested within one year.

For use in the production of planting seed crops, use SPUR only after seedset formation, or during and after bloom. Do not graze animals in treated areas or feed gleanings or crop residues to livestock. Do not replant SPUR treated fields with food crops, except cotton, within 90 days of last application.

Do not apply this product through any type of irrigation system.

5075

RECOMMENDED APPLICATION RATES

COMMODITY	PESTS	RATE FL. OZ./ACRE
PLANTING SEED CROPS	Thrips	16-64
Brusset Sprouts Cabbage	Aphids Cabbage Seed- pod Weevils	32-64
Carrot Collard	Flea Beetles Diamondback Moths	
Kale Lettuce	Grasshoppers Imported Cabbageworms	
Onion Parsnip Radish Spinach	Loopers Sting Bugs Webworms	
Swiss Chard Tobacco	Corn Earworms Tobacco Bud- worms	48-64
	Armyworms Cutworms Lygus Plant Bugs Spider Mites	48-96

(1) To control populations known to be tolerant of other insecticides, select the higher rates and use shorter intervals.

RECOMMENDED APPLICATION RATES

COMMODITY	PESTS	RATE ¹ FL. OZ./100 GAL.
NONBEARING FRUIT TREES NUT TREES & VINES	Thrips	2-5
	Aphids	3-8
	Broad and Flat Mites European Red Mites Grape Leafhoppers Gypsy Moths Japanese Beetles Leafhoppers Leafrollers Leaf Feeding Caterpillars McDaniel Mites Oriental Fruit Moths Peach Twig Borers Pear Psyllas Scales (crawler stage) Spider Mites Spotted Tentiform Leafminers European Red Mites	

(2) Rate is for full coverage, dilute applications. For concentrate sprayers, calculate the per acre rate needed dilute and use that amount of product per acre in a reduced gallonage of water carrier.

Limited Warranty and Liability

Notice: Read this Limited Warranty and Liability before buying or using this product. If terms are not acceptable, return it at once, unopened.

It is critical that this product be used and mixed only as specified on the label. The laws of a State may make some or all of this paragraph inapplicable or may give you rights in addition to your rights hereunder. Except to the extent prohibited by applicable law, the exclusive remedy of the user or buyer and the limit of liability of this Company or any other Seller for any and all losses, personal injuries or damages resulting from the use of this product, shall be the purchase price paid by the user or buyer for the quantity of product involved. Except to the extent prohibited by State Law, there is no warranty, and this Company and other Sellers disclaim all liability for losses, personal injury or damages: (i) arising from any use of this product in a manner or for a purpose not recommended in its label directions, or from mixing this product before use with any substance except as recommended by the product's label; (ii) arising from handling or storage in violation of label instructions; (iii) for all indirect, special or consequential damages; (iv) when not reported to this Company within one year of discovery. There are no implied warranties and no warranties of merchantability or fitness.

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