

United States Environmental Protection Agency

Ms. Eileen Valenta
Wellmark International
1000 Tower Lane, Suite 245
Bensenville, IL 60106

JUN 6 2000

Subject: Amendment to delete dip vat indications from approved label.
Registration Number: 2724-262
Product Name: Wellmark International/Zoecon RF-43 Emulsifiable Liquid
Submission dated: January 19, 1999

Dear Ms. Valenta,

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), is acceptable subject to the comments listed below. Five copies of the finished labeling must be submitted prior to releasing the product for shipment.

- 1. In a September 19, 1998 label approval letter to Zoecon, the Agency identified that the "scabies mites" be changed to "sarcoptic mange." Although the Agency specifically cited page 4 of the label text, the term exists on the pest listing on the front page, and on page 7 within item 8.

A stamped copy is enclosed for your records. If you have any questions in reference to this permit, contact Richard Gebken at (703) 305-6701.

Sincerely,

George LaRocca
Product Manager 03
Insecticide Branch
Registration Division (7505C)

Enclosure

002724-00262 S555679.wpd

CONCURRENCES

SYMBOL ▶	H7505C							
SURNAME ▶	RGEBKEN							
DATE ▶	Jun 6, 2000							

277

[] Indicates optional text

ZOECON® RF-43 EMULSIFIABLE LIQUID

A BEEF AND NON-LACTATING DAIRY CATTLE INSECTICIDE FOR THE CONTROL OF LICE, CATTLE TICKS*, SOUTHERN CATTLE TICKS*, WINTER TICKS*, LONE STAR TICKS*, GULF COAST EAR TICKS*, HORN FLIES, SARCOPTIC MANGE, AND SCABIES MITES

A SWINE INSECTICIDE FOR CONTROL OF LICE AND SARCOPTIC MANGE

* See back panel for specific controls

ACTIVE INGREDIENT:

Phosmet (CAS #732-11-6).....	11.75%
OTHER INGREDIENTS*:	<u>88.25%</u>
TOTAL:	100.00%

* Contains petroleum distillates

Contains 1 lb active ingredient per gallon

DANGER

KEEP OUT OF REACH OF CHILDREN

See other Precautions/First Aid on left panel

Read all directions before using

EPA Reg. No. 2724-262

EPA Est. No.

NET CONTENTS

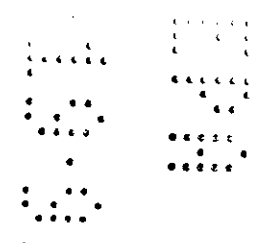
[For use on cattle and swine only]
[Not for use on horses, sheep or goats or pets]

ACCEPTED
with COMMENTS
in EPA Letter Dated

JUN - 6 2000

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

2724-262



PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS - DANGER: Corrosive. Causes irreversible eye damage. May be fatal if swallowed. Harmful if absorbed through skin. Do not get in eyes, on skin, or on clothing. Wash thoroughly with soap and water after handling. Avoid breathing spray mist. Applicators must wear protective eyewear (goggles, face shield, or safety glasses), long-sleeved shirt, long pants, elbow length waterproof gloves, waterproof apron, and unlined waterproof boots. Remove contaminated clothing and wash clothing before reuse.

FIRST AID: **If in eyes** – hold eyelids open and flush with a steady gentle stream of water for 15 minutes. Get medical attention. **If swallowed** - Call a physician or Poison Control Center immediately. Do not induce vomiting. Do not give anything by mouth to an unconscious person. Avoid alcohol. **If on skin** - Remove contaminated clothing. Wash promptly with plenty of soap and water. Get medical attention if irritation persists. **If inhaled** - Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. Get medical attention.

NOTE TO PHYSICIAN AND VETERINARIAN: Probable mucosal damage may contraindicate the use of gastric lavage. RF-43 is an organophosphate insecticide and a cholinesterase inhibitor. If signs of cholinesterase inhibition are present, atropine is antidotal. 2-PAM is also antidotal and may be administered in conjunction with atropine. If ingested, do not induce vomiting. May present aspiration hazard. Usual symptoms of organophosphate poisoning in man include: headache, blurred vision, weakness, nausea, discomfort in the chest, vomiting, abdominal cramps, diarrhea, salivation, sweating, pin-point pupils. Usual symptoms of poisoning in animals include salivation, labored breathing, gastrointestinal disturbance, tremors, staggering, and pin-point pupils.

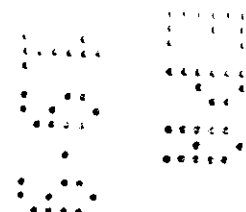
ENVIRONMENTAL HAZARDS: This pesticide is extremely toxic to fish. Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water by cleaning of equipment or disposal of equipment washwaters. Drift or runoff from treated areas may be hazardous to aquatic organisms in neighboring areas.

PHYSICAL OR CHEMICAL HAZARDS: Do not use or store near heat or open flame. Protect from temperatures below 20° F.

DIRECTIONS FOR USE: It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

BEEF AND NON-LACTATING DAIRY CATTLE

Do not treat non-lactating dairy cattle within 28 days of freshening.



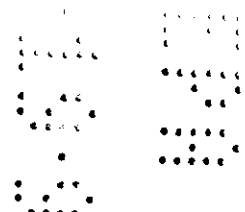
[Dilute as shown in tables below:]

[(Optional directions for use put in table form)]

BEEF AND NON-LACTATING DAIRY CATTLE SPRAY		
	DILUTION RATE	
	One gallon of product in _____ gallons of water:	One quart of product in _____ gallons of water:
To Control:		
Cattle Ticks, Southern Cattle Ticks	240	60
Horn Flies	200	50
Lice	150	38
Sarcoptic Mange, Winter Ticks, Lone Star Ticks, Gulf Coast Ear Ticks	100	25

CATTLE BACKRUBBERS	
	DILUTION RATE
To Control	One gallon of product in 50 gallons of fuel oil or other suitable carrier
Horn Flies	
Charge backrubber device or soak sack or cloth as required. Retreat backrubber as needed.	

SWINE SPRAY	
	DILUTION RATE
To Control Lice, Sarcoptic Mange	One gallon of product in 100 gallons of water One quart of product in 25 gallons of water



SEE TABLE FOR FEEDLOT USE ONLY PROVISION

DILUTION RATE

To Control	Method To Use	FEEDLOT USE ONLY	GENERAL USE
		21 - Day Pre-slaughter Interval	3 - Day Pre-slaughter Interval
Lice	Spray	1:49	1:150
Horn Flies	Spray	1:49	1:200
Sarcoptic Mange	Spray	1:49	1:100
Cattle Tick	Spray	1:49	1:240
Winter Tick	Spray	1:49	1:100
Lone Star Tick ▼	Spray	1:49	1:100
Gulf Coast Ear Tick	Spray	1:49	1:100

SWINE

To Control	Method To Use	DILUTION RATE
		1 Day Pre - Slaughter Interval
Lice	Spray	1:49 or 1:100
Sarcoptic Mange	Spray	1:49 or 1:100

SARCOPTIC MANGE CONTROL

For control of sarcoptic mange, two treatments, 10 to 14 days apart are required.

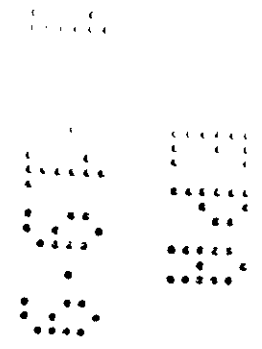
BACKRUBBERS: CATTLE

To control hornflies on beef cattle, dilute 1 gallon RF-43 in 50 gallons fuel oil or other suitable carrier and charge backrubber device or soak sack or cloth as required. Retreat backrubber as needed.

SPRAY METHOD: CATTLE AND SWINE

At the 1:49 dilution rate, mix one gallon of RF-43 with 49 gallons water and stir thoroughly. Apply the fresh mixture as a high-pressure spray, taking care to wet the skin, not just the hair. Apply to the point of run-off. For cattle, do not apply within 21 days of slaughter. For swine, do not apply within 1 day of slaughter.

At the 1:100 dilution rate, the 1:150 dilution rate, or the 1:200 dilution rate, mix one gallon RF-43 with 100 gallons, 150 gallons, or 200 gallons of water respectively, and stir thoroughly. Apply as directed for the 1:49 dilution rate. For cattle, do not apply within 3 days of slaughter. For swine, do not apply within 1 day of slaughter.

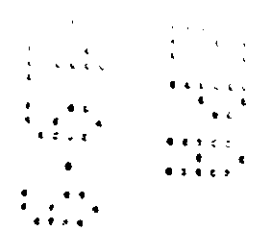


OFFICIAL ERADICATION PROGRAM

Where RF-43 is recommended in federal or state eradication programs, it is required that specific use directions be followed. Consult state or federal authorities for detailed recommendations. Consult the Animal and Plant Health Inspection Service, Veterinary Services.

WARNINGS

1. RF-43 is a cholinesterase inhibitor. Do not use this product on animals simultaneously or within a few days before or after treatment with or exposure to cholinesterase inhibiting drugs, pesticides, or chemicals. Atropine is antidotal. Consult veterinarian at first sign of adverse reaction.
2. Cattle may be slaughtered 21 days after treatment at a spray rate of 1:49. Cattle treated at a spray rate of 1:100, 1:150, or 1:200 may be slaughtered 3 days after treatment.
3. Swine may be slaughtered one day after treatment.
4. In swine, single applications for lice and sarcoptic mange control are usually effective; however, should a second application be necessary, it may be made 14 days following first treatment.
5. For swine: do not treat sick, convalescent, or stressed animals. Do not apply directly to suckling pigs.
6. For cattle: do not treat sick, convalescent, stressed, or animals less than 3 months old except in federal or state eradication programs where immediate treatment of all animals in an infested herd is mandatory.
7. Do not treat non-lactating dairy cattle within 28 days of freshening. If freshening should occur within the 28 day period after treatment, that milk must not be used as human food.
8. **Important:** In cattle, repeat treatment as necessary, but not more often than every 7 to 10 days. Treatment for lice, ticks, scabies mites, sarcoptic mange, and horn flies may be made any time of the year except when cattle grub larvae are in the gullet or spinal canal. Consult your veterinarian, extension livestock specialist, or extension entomologist regarding timing of treatment.



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

Pesticide Disposal – Pesticide wastes are acutely hazardous. 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.

Metal Container Disposal - Triple rinse (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.

Plastic Container Disposal - Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Seller makes no warranty, express or implied, concerning the use of this product other than indicated on the label. Buyer assumes all risk of use and handling of this material when such use and handling are contrary to label instructions.

For information or in case of an emergency, call [phone number]

ZOECON® is a registered trademark of Wellmark International.

Made In USA

Wellmark International
Bensenville, IL 60106

