



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

November 16, 2015

Mr. Douglas A. Spilker, Ph.D.  
Manager – EPA Regulatory Affairs  
Bayer HealthCare, LLC  
Animal Health Division  
P.O. Box 390  
Shawnee Mission, KS 66201-0390

Subject: Label Amendment – Amended Label in Response to EPA Letter of 12-04-2014  
Product Name: Ravap® E.C. Livestock, Poultry & Premise Insecticide Spray  
EPA Registration Number: 11556-162  
Application Date: July 23, 2015  
Decision Number: 507649

Dear Mr. Spilker:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. “To distribute or sell” is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

Should you wish to add/retain a reference to the company’s website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA’s Office of Enforcement and Compliance.

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Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. If you have any questions, please contact Mr. Carmen J. Rodia, Jr. by phone at (703) 306-0327, or via email at [Rodia.Carmen@epa.gov](mailto:Rodia.Carmen@epa.gov).

Sincerely,

A handwritten signature in black ink, appearing to read 'Gebken', written in a cursive style.

Richard Gebken  
Product Manager 10  
Invertebrate & Vertebrate Branch 2  
Office of Pesticide Programs

*Enclosure: Label Stamped "Accepted," dated 11/16/2015*

Reason to Issue: Update Use Directions per EPA request.

Date: 07/23/2015

Supersedes: 08/05/2014

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**RESTRICTED USE PESTICIDE:**

Due to **acute eye and dermal toxicity.**

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

## Ravap® E.C. Livestock, Poultry & Premise Insecticide Spray

**ACTIVE INGREDIENTS:**

Tetrachlorvinphos (CAS# 22248-79-9) .....23.0%\*

Dichlorvos (CAS# 62-73-7)..... 5.3%\*\*

**OTHER INGREDIENTS:** .....71.7%\*\*\*

**TOTAL:** .....100.0%

\*RABON® Insecticide

\*\*VAPONA® Insecticide

\*\*\* Contains Petroleum Distillates.

This product contains the toxic inert ingredient phenol

EPA Reg.No. 11556-162

EPA Est. No. XXXXX

Manufactured For:

Bayer HealthCare, LLC

Animal Health Division

PO Box 390

Shawnee Mission, KS 66201 USA

Net Contents: TBA

### KEEP OUT OF REACH OF CHILDREN

DANGER --



-- POISON

**PELIGRO**

Corrosive. Causes irreversible eye damage or skin burns. Harmful if swallowed or absorbed through skin. Do not get in eyes (including animals), on skin, or on clothing.

**See Side Panel for Complete First Aid and Precautionary Statements**

**ACCEPTED**

**11/16/2015**

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 11556-162

**KEEP OUT OF REACH OF CHILDREN  
DANGER -- PELIGRO**

**FIRST AID**

**IF INHALED:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

**IF ON SKIN:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

**IF IN EYES:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. Call a poison control center or doctor for treatment advice.

**IF SWALLOWED:**

Call a poison control center or doctor **immediately** for treatment advice.

**Do not give any liquid to the person.**

Do not induce vomiting unless told to by a poison control center or doctor.

Do not give anything by mouth to an unconscious person

**HOTLINE NUMBER**

Contains an organophosphate that inhibits cholinesterase.

**Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For additional information on this pesticide product (including health concerns, medical emergencies or pesticide incidents), you may call 1-800-422-9874 or CHEMTREC at 1-800-424-9300, 24 hours per day, 7 days per week.**

**NOTE TO PHYSICIAN**

This product is a cholinesterase inhibitor. If symptoms of cholinesterase inhibition are present, atropine sulfate by injection is antidotal. 2-PAM is also antidotal and may be administered, but only in conjunction with atropine. **Contains petroleum distillates.** Product may cause aspiration pneumonia. Probable mucosal damage may contraindicate the use of gastric lavage.

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**DANGER - POISON**

Corrosive. Causes irreversible eye damage or skin burns. Harmful if swallowed or absorbed through skin. Do not get in eyes (including animals), on skin, or on clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco or using toilet. Remove contaminated clothing and wash clothing before reuse.

**FOR CHEMICAL EMERGENCY. Spill, leak, fire, exposure, or accident call CHEMTREC 1-800-424-9300.**

## **PERSONAL PROTECTIVE EQUIPMENT**

Applicators and other handlers must wear:

- Wear protective eyewear (goggles, face shield, or safety glasses).
- Wear coveralls over long sleeved shirt and long pants, socks, chemical resistant footwear, and chemical resistant gloves (Barrier laminate or Viton, selection category G).
- When mixing, loading, or cleaning equipment wear a chemical resistant apron.

## **USER SAFETY REQUIREMENTS**

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

## **USER SAFETY RECOMMENDATIONS**

Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

## **ENVIRONMENTAL HAZARDS**

This product is toxic to fish, birds, and aquatic invertebrates. Drift and runoff may be hazardous to aquatic organisms in adjacent areas. 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 when cleaning equipment or when disposing of equipment wash waters or rinsate.

## **PHYSICAL AND CHEMICAL HAZARDS**

**Combustible. Do not use, pour, spill or store near heat or open flame.** Do not use with thermal foggers or heat-generating devices.

**DIRECTIONS FOR USE – Read the entire label prior to use.**

## **RESTRICTED USE PESTICIDE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. **For Agricultural/Commercial Use Only.** This product is suitable for use in conventional power or low pressure knapsack sprayers and in livestock backrubbers. Follow the **Use Directions** for the proper dilution needed for specific insect control.

**Use Restrictions**

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. Do not enter or allow others to enter the treated areas until sprays have dried. Must be diluted with water except for backrubber use.

**Livestock Use Directions:** Do not make direct application to livestock more frequently than once per day.

<b>Use</b>	<b>Insect</b>	<b>Dilution•Ravap In Water</b>	<b>Remarks</b>
Livestock Spray (Beef Cattle)	Horn Flies, Lice, Including Tail Lice, and aids in control of Face Flies	1 gal. in 75 gal. or 5 oz. in 3 gal.	Dilute in water as indicated and spray directly on the animal only to the point of runoff. Use between ½ to 1 gallon of diluted spray solution per animal depending on size and hair coat. Do not treat more often than every 10 days. Do not apply to calves under six months of age. Brahman and Brahman-cross cattle should not be treated as they may show hypersensitivity to organophosphate pesticides. Do not apply in combination with other dermal organo-phosphate pesticides (e.g. trichlorofon). There is no withholding period from last application to slaughter.
	Horn Flies, Lone Star Ticks	1 gal. in 200 gal. or 2 oz. in 3 gal	Apply as above. For severe tick infestations, dilution may be increased to 1 gallon in 50 gallons water
Livestock Spray (Lactating Dairy Cattle)	Horn Flies, Lice, Lone Star Ticks, and aids in control of Face Flies	1 gal. in 200 gal or 2 oz. in 3 gal.	Dilute in water as indicated. Direct spray to cover thoroughly with up to ½ gallon of the dilution per animal. Do not apply to calves under six months of age. No milk discard is required. Care should be taken that the spray does not come in direct contact with the lactating dairy cow's teats unless they are washed with an approved cleansing solution and dried before milking. Apply the spray at least 20 minutes prior to milking or after milking has been completed.

Reason to Issue: Update Use Directions per EPA request.

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**Backrubber Use Directions**

<b>Use</b>	<b>Insect</b>	<b>Dilution•Ravap In Oil</b>	<b>Remarks</b>
Backrubber or Facerubber (Beef and Dairy Cattle	Horn Flies, and aids in control of Face Flies	1 gal. in 25 gal or 5 oz. in 1 gal	Mix with any approved backrubber base oil. Pour diluted solution into oil reservoir of mechanical rubbing devices or pour one gallon per 20 linear feet on burlap or rope backrubbers. Keep backrubber or facerubber charged.

**Poultry Use Directions (Indoor Use Only)**

<b>Use</b>	<b>Insect</b>	<b>Dilution•Ravap In Water</b>	<b>Remarks</b>
Caged Chickens	Lice & Mites	1 gal. in 50 gal or 5 oz. in 2 gal	Apply 1 gal. of dilution/100 birds under high pressure (no less than 100-125 psi) to the vent and fluff areas from below. Repeat when necessary; however, not more often than every 14 days. For individual bird treatment, apply 1 ounce of dilution per bird.
Chickens On Litter	Lice & Mites	1 gal. in 50 gal or 5 oz. in 2 gal	Apply 1-2 gal. of dilution/1000 sq. ft. evenly with penetration of litter surface. Also apply thoroughly to walls, roosts, cracks and crevices. Spray birds as above. Treat roosters carefully to avoid reinfestation of breeding flocks.
Roost Spray	Lice & Mites	1 gal. in 25 gal or 5 oz. in 1 gal	Apply 1 pt. of dilution/100 ft. of roost area.
Poultry Buildings	Fowl Tick (Blue Bug)	1 gal. in 25 gal or 5 oz. in 1 gal	Apply 1 gal. of dilution/100-150 sq. ft. to thoroughly cover walls, ceilings, floors, cracks and crevices using high pressure spray.

**Premise Use Directions for Poultry and Livestock Facilities**

<b>Use</b>	<b>Insect</b>	<b>Dilution•Ravap In Water</b>	<b>Remarks</b>
Residual Surface Spray	Flies, Gnats, Litter Beetles, Mosquitoes, Spiders, Wasps	1 gal. in 25 gal or 5 oz. in 1 gal	Apply 1 gal. of dilution/500-1000 sq. ft. Thoroughly cover walls, ceilings or other areas where pests rest or congregate in dairy barns, horse barns, poultry houses, swine buildings, livestock sheds and other farm buildings. Extreme infestations may necessitate increasing the diluted spray to one gallon per 12-1/2 gal. or 10 oz. per 1 gal. of water.
Larvicide	Maggots (fly larvae)	1 gal. in 25 gal or 5 oz. in 1 gal	Apply 1 gal. of dilution/100 sq. ft. of droppings as a coarse spray. Repeat at 7-10 day intervals until droppings begin to cone up, then treat only "hot spots" (small areas found to have large number of maggots). Do not spray manure where runoff to soil or water can occur. Do not spray animals directly with this concentration.

**Kennel Use Directions**

<b>Use</b>	<b>Insect</b>	<b>Dilution•Ravap In Water</b>	<b>Remarks</b>
Residual Surface Spray – Kennels	Ticks, Fleas	1 gal. in 50 gal or 5 oz. in 2 gal	Apply 1 gal. of solution / 500-1000 sq. ft. as a spot treatment only once per year. Thoroughly treat infested kennel, outside runways and along woody borders of kennels. Do not allow pets or people to return to treated areas until sprays have thoroughly dried. Thoroughly ventilate kennels to remove any vapors. Do not apply to companion animals.

### **STORAGE AND DISPOSAL**

DO NOT contaminate water, food or feed by storage or disposal.

**PESTICIDE STORAGE:** Keep this product in its tightly closed original container. Store in a cool, dry (preferably locked) area that is inaccessible to children and animals.

**PESTICIDE DISPOSAL:** Pesticide wastes are acutely 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:** Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container  $\frac{1}{4}$  full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Offer for recycling, if available, for reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

### **CONDITIONS OF SALE:**

The directions on this label were determined through research to be appropriate for the correct use of this product. This product has been tested under different environmental conditions both indoors and outdoors similar to those that are ordinary and customary where the product is to be used. Insufficient control of pests or plant injury may result from the occurrence of extraordinary or unusual conditions, or from failure to follow label directions. In addition, failure to follow label directions may cause injury to animals, man, and damage to the environment. To the extent permitted by applicable law, Bayer offers, and the buyer accepts and uses, this product subject to the conditions that extraordinary or unusual environmental conditions, or failure to follow label directions are beyond the control of Bayer and are, therefore, the responsibility of the buyer.

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**WARRANTY AND LIMITATION OF DAMAGES:**

Seller warrants that this material conforms to the chemical description and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use and Buyer assumes the risk of any use contrary to such directions. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, SELLER MAKES NO OTHER EXPRESS OR IMPLIED WARRANTIES THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL, INCLUDING ANY OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY, and no agent of Seller is authorized to do so except in writing with a specific reference to this warranty. To the extent consistent with applicable law, Seller's liability for any breach of warranty shall not exceed the purchase price of the material as to which a claim is made.

**RAVAP® is a trademark of Bayer.**