

11556-162

09/28/2012

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

September 28 2012

Mr Iodd Frank  
Bayer Healthcare LLC  
Animal Health Division  
P O Box 390  
Shawnee Mission KS 66201

Subject Amended Reregistration Label  
Product Name Ravap E C Livestock Poultry & Premise Insecticide Spray  
EPA Registration Number 11556-162  
EPA Decision Number 393483

Dear Mr Frank

The Agency in accordance with the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended has completed reviewing all the information submitted with your application to support the reregistration of the referenced product in connection with the Dichlorvos RED and has concluded that your submission is acceptable

**NOTE** This product is **not** being reregistered under sections 3(c)5 and 4(g) of FIFRA at this time

Please be reminded that 40 CFR Part 156 140(a)(4) requires that a batch code, lot number or other code identifying the batch of the pesticide distributed and sold be placed on non-refillable containers The code may appear either on the label or durably marked on the container itself, and can be added by non-notification per PRN 98-10

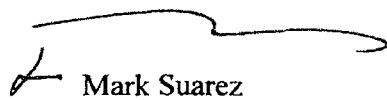
Please note that the record for this product currently contains the Confidential Statements of Formulation (CSFs) listed below Any previously dated CSFs are superseded

- Basic CSF dated 1/4/2012

A copy of your label stamped 'Accepted' is enclosed along with copies of the acute toxicity and product chemistry reviews completed for the subject product. Products shipped after 12 months from the date of this amendment or the next printing of the label whichever occurs first must bear the new revised label. Your release for shipment of the product bearing the amended label constitutes acceptance of these conditions. If these conditions are not complied with the registration will be subject to cancellation in accordance with FIFRA sec 6(e)

If you have any questions about this letter, please contact Dana Pilitt, Ph D at (703) 305-7071 or via e-mail at [pilitt.dana@epa.gov](mailto:pilitt.dana@epa.gov)

Sincerely

  
Mark Suarez  
Product Manager (13)  
Insecticide Branch  
Registration Division (7504P)

*Enclosures    Label stamped Accepted dated September 28 2012  
Acute Toxicity Review dated August 29 2011  
Product Chemistry Review dated January 10 2012*

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Reason to Issue	Update Label with Bayer EPA Reg No and information per EPA Letter 7/31/2012	Date	08/13/2012
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**RESTRICTED USE PESTICIDE**

Due to **primary eye and primary 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

RECOMMENDED FOR AGRICULTURAL/COMMERICAL USE ONLY NOT FOR SALE FOR ANY OTHER USES

Contains RABON® and VAPONA® Insecticides

<b>ACTIVE INGREDIENTS</b>	
Tetrachlorvinphos (CAS# 22248-79-9)	23 0%*
Dichlorvos (CAS# 62-73-7)	5 3%
<b>OTHER INGREDIENTS</b>	<u>71 7%**</u>
<b>TOTAL</b>	<b>100 0%</b>

\*RABON 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

### KEEP OUT OF REACH OF CHILDREN

DANGER --  -- POISON

**PELIGRO**

Fatal if swallowed Harmful if absorbed through skin or inhaled Causes moderate eye irritation Avoid contact with eyes, skin, or clothing

See Side Panel for First Aid and Other Precautionary Statements

ACCEPTED

SEP 28 2012

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 OR CLOTHING** 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. Remove contaminated clothing and wash clothing before reuse.

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

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**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

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**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

Use	Insect	Dilution•Ravap In Water	Remarks
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 Repeat as necessary 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

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**Backrubber Use Directions**

Use	Insect	Dilution•Ravap In Oil	Remarks
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**

Use	Insect	Dilution•Ravap In Oil	Remarks
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 Paint	Lice & Mites	1 gal in 25 gal or 5 oz in 1 gal	Apply 1 pt of dilution/100 ft of roost area with brush or spray
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

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

Use	Insect	Dilution•Ravap In Water	Remarks
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**

Use	Insect	Dilution•Ravap In Water	Remarks
Residual Surface Spray – Kennels	Ticks, Fleas	1 gal in 50 gal or 5 oz in 2 gal	Apply 1 gal of dilution/500-1000 sq ft Thoroughly treat infested kennel and outside runways



**STORAGE AND DISPOSAL**

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

**PESTICIDE STORAGE** Store product in its original container in a cool dry place in an area 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 ¼ 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.

**RAVAP® is a trademark of Bayer**